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# SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

## RAMSTEIN AB, GERMANY

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

OCTOBER 1989

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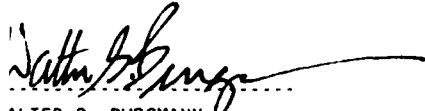
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PROGRAM MANAGER

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12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.

13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.

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## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JUN 78 - MAY 88 (METAR)

SUMMARY OF DAY DATA: MAR 52 - MAY 88 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE DATA COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY INDIVIDUAL AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO.	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
0 SUMMARY 106140	RAMSTEIN AB GERMANY	N 49 26	E 007 36	782	EDAR	10614

STATION LOCATION AND INSTRUMENTATION HISTORY

Nmb of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Ramstein AB Germany	AB	Mar 52	Mar 63	N 49 25	E 007 35	789	808	24
2	Same	Same	Apr 63	May 68	Same	Same	Same	826	24
3	Same	Same	Jun 68	Mar 69	Same	Same	Same	777	24
4	Same	Same	Apr 69	Dec 70	N 49 26	Same	Same	Same	24
5	Same	Same	Jan 71	Feb 78	Same	Same	780	Same	24
6	Same	Same	Feb 78	Jan 88	Same	E 007 36	782	Same	24

Nmb of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 52	400' N of midpt of rwy	AN/GMQ-1	N/A	20 Ft	
2	Jul 61	500' N of GCA td pt of rwy 27	AN/GMQ-11	N/A	13 Ft	
3	Apr 64	500' N of GCA td pt on both rwy 09 and 27	Same	Same	Same	
4	Jun 68	500' from ctr of rwy & 1407' from td pt of rwy 27 & 1300' from td pt of rwy 09	Same	Same	14 Ft	
5	Apr 69	1. 500' from ctrln & 1500' from end of rwy 27 2. 500' from ctrln & 1450' from end of rwy 09	Same	RO-2	13 Ft	
6	Jan 71	1. Same 2. 500' from ctrln & 1400' from end of rwy 09	Same	RO-362	Same	
7	Jan 84	1. Same 2. 440' from ctrln and 1400' from end of rwy 09	AN/GMQ-20	Same	Same	
8	Jan 88	1. Same 2. Same	Same	Same	12 Ft 14 Ft	

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRR	TT	AA AA
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	20.0	.6	14.4		35.1	33.3	1.9			70.3	929
03-05		18.7	1.3	14.5		34.5	33.5	.5	.1		68.7	930
06-08		19.0	1.2	13.5		33.8	33.8	1.1			68.6	930
09-11		17.4	1.3	15.1		33.8	30.3	4.2			68.3	930
12-14		18.6	1.8	14.3		34.7	21.3	9.0		.1	65.2	930
15-17	.1	17.2	1.3	14.7		33.2	18.7	9.7			61.6	930
18-20	.1	18.3	1.1	12.7		32.0	25.5	8.1	.1		65.7	930
21-23		17.5	1.1	12.7		31.3	28.9	4.7			64.9	930
ALL HOURS	.0	18.3	1.2	14.0		33.6	28.2	4.9	.0	.0	66.7	7439

MONTH: FEB

00-02		13.5	.2	10.0		23.8	34.3	5.9			64.0	849
03-05		14.6	.4	13.1		28.0	34.6	5.5			68.2	849
06-08		13.0	1.1	12.7		26.7	36.7	6.0			69.5	849
09-11		15.0	1.1	14.8		30.9	29.3	15.4			75.6	849
12-14		15.2	.7	13.7		29.6	13.4	20.4			63.4	849
15-17	.1	12.7	.7	11.0		24.4	11.7	21.3			57.4	849
18-20		11.5	.7	10.7		23.0	16.1	17.4			56.5	849
21-23		13.8	.5	11.5		25.8	25.1	9.9			60.8	849
ALL HOURS	.0	13.7	.7	12.2		26.5	25.2	12.7			64.4	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		19.9		3.8		23.7	24.7	5.4			53.8	930
03-05		20.5		3.7		24.2	30.2	4.3			58.7	930
06-08		21.6		5.8		27.4	34.2	5.3			66.9	930
09-11		22.2		6.1		28.3	22.2	14.0			64.4	930
12-14	.1	21.3		4.2		25.5	8.2	17.4			51.1	930
15-17	.3	23.8		2.3	.1	26.1	2.6	14.6			43.3	930
18-20	.3	22.7		2.2	.1	24.9	4.4	13.7			43.0	930
21-23	.1	21.1		2.6		23.7	15.6	8.3			47.5	930
ALL HOURS	.1	21.6		3.8	.0	25.5	17.8	10.4			53.6	7440

MONTH: APR

00-02		14.4		1.3		15.8	17.3	3.7			36.8	900
03-05		13.7		1.2		14.9	28.0	3.8			46.7	900
06-08		16.8		2.0		18.8	34.2	6.7			59.7	900
09-11	.1	15.7		3.1		18.8	14.7	11.4			44.9	900
12-14	.2	15.3		3.2		18.6	5.2	6.7			30.4	900
15-17	.4	15.4		2.2		17.7	2.9	4.8			25.3	900
18-20	1.0	13.6		2.1		15.7	4.1	6.2			26.0	900
21-23	.2	13.9		2.4		16.3	10.7	5.4			32.4	900
ALL HOURS	.3	14.8		2.2		17.1	14.6	6.1			37.8	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSW	TOTAL NO. OF OBS
00-02	.3	14.4		.1		14.5	26.0	1.0			41.5	930
03-05	.1	14.6				14.6	38.3	1.0			53.9	930
06-08		17.6		.1		17.7	32.2	4.5			54.4	930
09-11		19.5				19.5	6.0	6.2			31.7	930
12-14	1.1	20.0				20.0	2.3	2.6			24.8	930
15-17	2.6	18.2		.1		18.3	.6	2.7			21.6	930
18-20	1.8	18.0				18.0	2.6	1.6			22.2	930
21-23	.5	15.8				15.8	8.7	1.0			25.5	930
ALL HOURS	.8	17.3		.0		17.3	14.6	2.6			34.4	7440

MONTH: JUN

00-02	2.2	11.9				11.9	22.0	1.3			35.2	901
03-05	1.8	10.1				10.1	38.8	1.8			50.7	900
06-08	.7	12.6				12.6	31.2	5.4			49.2	900
09-11	.2	12.1				12.1	6.4	7.8			26.3	900
12-14	1.6	12.7				12.7	.9	4.0			17.6	900
15-17	2.6	12.9				12.9	1.0	2.7			16.6	900
18-20	2.9	11.9				11.9	2.8	3.1			17.8	900
21-23	2.3	11.1				11.1	10.6	1.7			23.3	900
ALL HOURS	1.8	11.9				11.9	14.2	3.5			29.6	7201

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.1	9.6				9.6	18.7	2.2			30.4	930
03-05	1.9	11.4				11.4	38.0	1.5			50.9	930
06-08	1.1	10.9				10.9	35.1	7.1			53.0	930
09-11	.1	11.5				11.5	6.6	8.8			26.9	930
12-14	1.0	11.0				11.0	1.0	5.3			17.2	930
15-17	1.7	10.9				10.9	.6	3.7			15.2	930
18-20	1.2	8.9				8.9	1.6	3.1			13.7	930
21-23	1.7	8.9				8.9	6.3	4.0			19.2	930
ALL HOURS	1.2	10.4				10.4	13.5	4.4			28.3	7440

MONTH: AUG

00-02	1.4	8.6				8.6	33.2	1.8			43.7	930
03-05	.6	8.8				8.8	49.5	.6			58.9	930
06-08	.6	8.5				8.5	49.1	3.3			61.0	930
09-11	.1	10.2				10.2	13.5	13.8			37.5	930
12-14	.3	10.0				10.0	4.0	6.3			20.3	930
15-17	1.0	8.9				8.9	1.7	4.8			15.5	930
18-20	1.5	9.8				9.8	3.0	5.3			18.1	930
21-23	1.1	7.3				7.3	14.8	3.3			25.5	930
ALL HOURS	.8	9.0				9.0	21.1	4.9			35.1	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.3	11.0				11.0	41.3	1.2			53.6	900
03-05		10.2				10.2	52.7	.6			63.4	900
06-08	.1	9.9				9.9	56.7	1.6			68.1	900
09-11	.2	9.7				9.7	25.2	12.7			47.6	900
12-14	.2	9.6				9.6	4.1	10.6			24.2	900
15-17	.8	11.1				11.1	1.8	7.4			20.3	900
18-20	.8	9.4				9.4	6.8	7.4			23.7	900
21-23	.1	11.0				11.0	25.4	2.9			39.3	900
ALL HOURS	.3	10.2				10.2	26.8	5.5			42.5	7200

MONTH: OCT

00-02		14.4				14.4	50.8	.8			65.9	930
03-05	.2	14.9				14.9	51.4	.4			66.8	930
06-08		18.4				18.4	54.2	.5			73.1	930
09-11		19.1				19.1	40.8	8.2			68.1	930
12-14		18.5				18.5	12.8	12.9			44.2	930
15-17		15.7				15.7	7.8	11.6			35.2	930
18-20		15.6				15.6	20.8	7.4			43.8	930
21-23	.2	13.5				13.5	38.5	2.8			54.8	930
ALL HOURS	.1	16.3				16.3	34.6	5.6			56.5	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		18.1	.2	2.2		20.6	42.8	.3			63.7	900
03-05	.1	16.9	.1	3.6		20.6	45.3	.7		.1	66.7	900
06-08		18.4		4.2		22.7	47.2	.8			70.7	900
09-11		15.1	.2	5.3		20.7	45.1	3.8		.1	69.7	900
12-14		14.7		5.1		19.8	26.2	10.3			56.3	900
15-17		12.9		3.6		16.4	21.3	11.7		.1	49.6	900
18-20	.1	14.4	.1	3.2		17.8	33.4	4.0		.1	55.3	900
21-23		17.8	.4	2.9		21.1	38.9	1.8			61.8	900
ALL HOURS	.0	16.0	.1	3.8		19.9	37.5	4.2		.1	61.7	7200

MONTH: DEC

00-02		21.4	.8	6.0		28.2	30.3	2.9			61.4	930
03-05		23.5	1.2	7.3		32.0	32.7	2.4			67.1	930
06-08		24.5	1.1	8.7		34.3	31.0	2.4			67.6	930
09-11		22.4	.9	8.6		31.8	32.9	5.1		.1	69.9	930
12-14		23.2	.6	7.8		31.7	25.8	6.7			64.2	930
15-17		24.8	.1	5.5		30.4	22.4	7.5			60.3	930
18-20		22.7		5.1		27.7	29.2	4.2			61.2	930
21-23	.1	21.0	.4	4.5	.1	26.0	31.5	4.0			61.5	930
ALL HOURS	.0	22.9	.6	6.7	.0	30.3	29.5	4.4		.0	64.2	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	18.3	1.2	14.0		33.6	28.2	4.9	.0	.0	66.7	7439
FEB	.0	13.7	.7	12.2		26.5	25.2	12.7			64.4	6792
MAR	.1	21.6		3.8	.0	25.5	17.8	10.4			53.6	7440
APR	.3	14.8		2.2		17.1	14.6	6.1			37.8	7200
MAY	.8	17.3		.0		17.3	14.6	2.6			34.4	7440
JUN	1.8	11.9				11.9	14.2	3.5			29.6	7201
JUL	1.2	10.4				10.4	13.5	4.4			28.3	7440
AUG	.8	9.0				9.0	21.1	4.9			35.1	7440
SEP	.3	10.2				10.2	26.8	5.5			42.5	7200
OCT	.1	16.3				16.3	34.6	5.6			56.5	7440
NOV	.0	16.0	.1	3.8		19.9	37.5	4.2		.1	61.7	7200
DEC	.0	22.9	.6	6.7	.0	30.3	29.5	4.4		.0	64.2	7440
ANNUAL	.5	15.2	.2	3.5	.0	19.0	23.1	5.7	.0	.0	47.8	87672

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	1.1	53.5	4.9	39.4	.4	73.7	67.9	63.1	.4		98.3	1116
FEB	.9	45.2	3.3	34.0	.8	64.0	67.3	71.7	.4		96.5	1017
MAR	2.4	52.6	.3	19.6	2.2	61.5	61.1	71.1			96.8	1144
APR	4.9	58.4		10.0	2.3	60.6	60.7	62.9			91.3	1109
MAY	12.2	60.2		.8	1.7	60.2	66.3	57.5		.2	91.1	1147
JUN	18.3	58.7			1.0	58.7	64.7	61.4			90.4	1080
JUL	17.1	52.7			.7	52.7	63.2	60.0		.1	89.0	1073
AUG	14.0	54.8			.5	54.8	72.4	63.6		.1	92.9	1089
SEP	7.9	50.9			.2	50.9	79.2	68.6			95.8	1080
OCT	1.9	52.7		.6	.3	52.7	82.3	68.2			98.1	1116
NOV	1.0	59.2	1.1	16.2	.5	64.6	74.0	61.6	.1		97.4	1071
DEC	.7	56.8	5.4	31.1	.4	69.9	71.9	60.9	.1		97.4	1116
ANNUAL	6.8	54.7	1.3	12.6	.9	60.4	69.2	64.2	.1	.0	94.6	13158



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSIEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02	.1				.3	2.2	1.1	1.4	.3			
03-05					.1	1.8	1.9	.6		.2	.1	
06-08						.7	1.1	.6	.1			
09-11				.1		.2	.1	.1	.2			
12-14			.1	.2	1.1	1.6	1.0	.3	.2			
15-17	.1	.1	.3	.4	2.6	2.6	1.7	1.0	.8			
18-20	.1		.3	1.0	1.8	2.9	1.2	1.5	.8		.1	
21-23			.1	.2	.5	2.3	1.7	1.1	.1	.2		.1
ALL HOURS	.0	.0	.1	.3	.8	1.8	1.2	.8	.3	.1	.0	.0
TOTAL OBS	7439	6792	7440	7200	7440	7201	7440	7440	7200	7440	7200	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 150	151 - 190	191 - 240	241 - 340	NO OF OBS
TSTMS							100.0	3
LIQUID PRECIP	7.1	3.8	1.0	1.0	1.2	44.5	41.5	1363
FREEZING PRECIP	34.4	2.2	21.1	22.2		14.4	5.6	90
FROZEN PRECIP	16.0	3.3	22.2	10.9	.5	14.8	32.3	951
FOG	53.6	.2	12.0	13.1	.4	7.0	13.8	2095
FOG WITH VIS GE 1/2 MILES	51.8	.3	12.3	12.8	.4	7.5	14.9	1938
TOTAL OBS	1877	131	770	706	73	1634	2248	7439

MONTH: FEB HOURS: ALL

TSTMS							100.0	1
LIQUID PRECIP	11.2	5.9	5.2	4.9	1.3	36.2	35.3	927
FREEZING PRECIP	28.9	8.9	28.9	31.1		2.2		45
FROZEN PRECIP	26.5	1.7	42.9	6.8	.6	6.1	15.5	770
FOG	62.2	.5	16.3	11.0	.1	2.5	7.5	1709
FOG WITH VIS GE 1/2 MILES	60.9	.5	16.9	11.2	.1	2.6	7.8	1638
TOTAL OBS	2291	147	1546	874	49	792	1093	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 150	151 - 190	191 - 240	241 - 340	NO OF OBS
TSTMS	12.5					25.0	62.5	8
LIQUID PRECIP	9.3	4.7	3.9	2.6	2.2	44.3	33.0	1606
FREEZING PRECIP								
FROZEN PRECIP	16.6	1.4	15.7	6.5	1.4	27.6	30.9	217
FOG	71.1	.2	7.3	4.3	.2	4.8	12.0	1321
FOG WITH VIS GE 1/2 MILES	69.5	.2	7.7	4.4	.2	5.1	12.8	1241
TOTAL OBS	2174	220	861	421	141	1820	1803	7440

MONTH: APR HOURS: ALL

TSTMS	16.7		5.6	5.6	5.6	27.8	38.9	18
LIQUID PRECIP	14.5	2.2	9.4	4.1	1.9	27.9	40.1	1057
FREEZING PRECIP								
FROZEN PRECIP	12.9	.9	33.6	.9	.9	4.3	46.6	116
FOG	68.2	.5	9.7	4.6	.6	4.7	11.7	1054
FOG WITH VIS GE 1/2 MILE	66.3	.5	10.4	4.9	.6	4.9	12.4	983
TOTAL OBS	2511	182	1175	692	125	889	1626	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 150	151 - 190	191 - 240	241 - 340	NO OF OBS
TSTMS	11.7	3.3	11.7	15.0	1.7	28.3	28.3	60
LIQUID PRECIP	18.4	.6	10.1	3.4	3.1	27.0	37.3	1239
FREEZING PRECIP								
FROZEN PRECIP								
FOG	74.8	.1	6.1	4.9	.3	3.4	10.4	1085
FOG WITH VIS GE 1/2 MILES	73.0	.1	6.6	5.1	.3	3.6	11.3	990
TOTAL OBS	2582	187	929	655	167	1227	1693	7440

MONTH: JUN HOURS: ALL

TSTMS	21.7	2.3	11.6	10.1	1.6	22.5	30.2	129
LIQUID PRECIP	15.5	2.7	3.4	2.7	2.8	31.6	41.4	776
FREEZING PRECIP								
FROZEN PRECIP								
FOG	72.3		2.3	3.1	.1	5.9	16.2	1023
FOG WITH VIS GE 1/2 MILES	71.4		2.5	3.0	.1	6.1	16.9	948
TOTAL OBS	2339	194	671	480	97	1172	2247	7200

OPERATING LOCATION "A"  
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 150	151 - 190	191 - 240	241 - 340	NO OF OBS
STMS	20.9	1.1	3.3	13.2	6.6	15.4	39.6	91
LIQUID PRECIP	14.8	2.1	2.1	3.4	2.8	34.8	40.0	715
FREEZING PRECIP								
FROZEN PRECIP								
FOG	73.0	.3	3.8	4.7	.1	4.3	13.9	1003
FOG WITH VIS GE 1/2 MILES	71.8	.3	4.0	4.9	.1	4.5	14.3	955
TOTAL OBS	2547	135	884	657	154	1030	2033	7440

MONTH: AUG HOURS: ALL

STMS	12.9		16.1	9.7	4.8	32.3	24.2	62
LIQUID PRECIP	18.7	1.8	4.6	2.2	2.6	25.8	44.3	625
FREEZING PRECIP								
FROZEN PRECIP								
FOG	82.6	.1	3.1	2.7	.1	2.2	9.2	1571
FOG WITH VIS GE 1/2 MILES	80.7	.1	3.4	3.0	.1	2.4	10.2	1392
TOTAL OBS	3148	143	587	523	100	938	2001	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 150	151 - 190	191 - 240	241 - 340	NO OF OBS
TSTMS	26.1			4.3		30.4	39.1	23
LIQUID PRECIP	16.8	.6	8.4	7.0	1.9	27.4	37.9	726
FREEZING PRECIP								
FROZEN PRECIP								
FOG	81.1		3.0	3.1	.2	3.5	9.1	1926
FOG WITH VIS GE 1/2 MILES	78.9		3.3	3.5	.2	4.0	10.0	1656
TOTAL OBS	3081	59	499	424	98	1214	1825	7200

MONTH: OCT HOURS: ALL

TSTMS	25.0			25.0			50.0	4
LIQUID PRECIP	12.9	3.7	6.3	4.4	4.4	35.6	32.7	1209
FREEZING PRECIP								
FROZEN PRECIP								
FOG	71.0		10.5	6.7	.3	3.7	7.8	2576
FOG WITH VIS GE 1/2 MILES	65.8		12.7	7.6	.4	4.5	9.0	2033
TOTAL OBS	2983	94	872	558	138	1326	1469	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 150	151 - 190	191 - 240	241 - 340	NO OF OBS
TSTMS						100.0		2
LIQUID PRECIP	12.3	2.4	3.1	1.9	2.8	45.0	32.5	1154
FREEZING PRECIP	40.0	10.0	20.0	10.0		10.0	10.0	10
FROZEN PRECIP	38.7	6.5	20.2	2.0	1.2	17.7	13.7	248
FOG	55.8	.3	12.5	12.8	1.0	8.1	9.5	2704
FOG WITH VIS GE 1/2 MILES	52.9	.4	13.5	11.6	1.2	9.7	10.8	2221
TOTAL OBS	2482	158	848	565	123	1614	1410	7200

MONTH: DEC HOURS: ALL

TSTMS						100.0		1
LIQUID PRECIP	13.3	5.2	2.8	1.3	1.8	39.1	36.4	1708
FREEZING PRECIP	57.4		8.5	14.9		12.8	6.4	47
FROZEN PRECIP	23.7	1.8	20.2	11.1	.8	19.9	22.7	397
FOG	52.5	.1	9.6	10.5	.9	11.7	14.6	2193
FOG WITH VIS GE 1/2 MILES	49.4	.1	10.3	10.8	1.0	12.6	15.7	2000
TOTAL OBS	2171	174	623	599	100	1812	1961	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 150	151 - 190	191 - 240	241 - 340	NO OF OBS
TSTMS	18.2	1.5	9.0	10.7	3.2	23.9	33.6	402
LIQUID PRECIP	13.1	3.3	4.9	3.0	2.4	36.3	37.1	13105
FREEZING PRECIP	39.1	3.6	19.8	21.9		10.9	4.7	192
FROZEN PRECIP	22.1	2.6	27.6	8.2	.7	13.9	24.9	2699
FOG	66.5	.2	8.8	7.7	.4	5.5	10.9	20260
FOG WITH VIS GE 1/2 MILES	64.1	.2	9.5	7.7	.5	6.1	11.9	17995
TOTAL OBS	30186	1824	10265	7154	1365	15468	21409	87671



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	26.3	35.8	38.2	39.3	39.7	41.2	48.2	44.9	48.7	47.2	35.7	29.8	39.5
TRACE	21.5	16.8	17.7	19.4	17.6	16.9	13.5	15.0	14.0	12.7	17.2	21.7	17.0
.01	6.5	6.0	4.3	4.1	4.4	4.3	2.9	3.5	3.8	4.8	6.1	6.2	4.7
.02-.05	15.4	12.3	11.9	12.7	10.9	9.0	10.1	9.9	9.4	11.2	12.5	12.7	11.5
.06-.10	10.0	9.2	8.6	7.7	6.7	7.3	4.0	6.0	5.8	6.2	8.0	7.8	7.3
.11-.25	12.3	11.2	11.8	10.0	10.6	10.5	11.1	9.7	10.0	10.2	10.9	12.0	10.9
.26-.50	5.6	6.6	5.6	5.0	6.7	6.4	6.1	7.3	5.4	4.6	7.4	6.6	6.1
.51-1.00	2.2	1.9	1.7	1.7	2.8	3.1	3.6	3.1	2.6	2.5	1.9	2.4	2.5
1.01-2.50	.2	.2	.3	.3	.6	1.4	.5	.7	.4	.5	.2	.7	.5
2.51-5.00													
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	52.2	47.4	44.1	41.4	42.7	41.9	38.2	40.2	37.3	40.1	47.1	48.5	43.4
TOTAL NO. OF OBSERVATIONS	1116	1017	1146	1110	1147	1080	1072	1088	1080	1116	1079	1116	13167

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			5.56	2.50	.33	1.33	1.59	2.39	3.54	3.65	5.28	4.86	31.03*
53	.50	2.06	.20	1.09	1.22	5.38	2.42	.90	1.64	.49	.46	.73	17.09
54	1.81	2.27	1.03	1.96	1.92	2.65	2.72	4.93	3.22	1.85	1.68	2.92	28.96
55	2.82	2.89	1.35	.33	3.00	3.00	2.88	1.51	1.92	1.66	.65	3.32	25.33
56	2.10	.48	.54	2.97	1.82	1.58	3.86	2.92	2.03	2.05	1.09	1.00	22.44
57	.71	2.89	2.17	.38	.87	4.28	2.36	3.35	5.23	1.17	.70	1.53	25.60
58	4.03	4.20	1.95	1.07	4.68	2.79	2.00	4.88	1.44	1.86	1.26	3.65	33.81
59	1.69	.04	1.63	1.63	.98	2.65	1.84	2.32	TRACE	1.11	1.36	2.80	18.05
60	1.99	2.14	.75	1.02	4.17	1.97	2.51	4.45	1.13	2.64	2.48	2.70	27.95
61	2.97	1.27	.59	1.84	2.21	3.61	3.44	1.55	.71	2.19	1.71	2.58	24.67
62	3.49	1.92	2.89	3.08	1.62	.37	1.52*	.72	3.06	.45	1.34	2.09	22.55*
63	1.16	.81	2.71	1.63	.93	2.65	.70	4.36	1.34	1.27	3.99	.23	21.78
64	.25	1.10	2.26	.91	1.49	1.47	.68	2.24	1.17	1.81	1.56	1.13	16.07
65	4.04	.60	1.91	1.53	1.84	2.81	2.80*	1.61	2.83	.24	4.76	5.09	30.06*
66	1.42	1.52	1.59	2.49	1.97	3.34	3.69	3.43	.67	2.88	1.94	4.19	29.13
67	.83	2.09	2.06	1.82	3.54	2.06	2.03	2.59	5.26	2.83	2.34	2.64	30.09
68	2.76	2.38	1.65	2.38	2.19	1.80	2.94	7.83	3.94	1.41	1.49	1.98	32.75
69	3.35	2.71	2.70	2.97	3.09	2.08	.88*	.07*	.35	.20	2.92	.90	22.22*
70	1.96	4.48	1.72	2.79	3.46	2.33	3.44	.95	1.07	1.20	1.25	1.60	26.25
71	1.57	.85	.80	.78	2.99	2.51	.69	1.61	1.05	.83	2.01	.50	16.19
72	1.20	.98	1.04	2.02	2.85	2.78	2.17	3.46	1.22	.48	4.27	.71	23.18
73	.84	1.85	.23	1.78	1.91	1.25	2.97	1.20	1.02	2.51	1.21	1.46	18.23
74	1.22	1.82	1.66	.58	1.72	1.83	2.15	1.76	1.76	4.60	2.87	3.07	25.04
75	1.73	.75	2.46	1.24	1.37	4.73	1.82	2.50	2.78	.90	1.54	.43	22.25
76	2.37	1.44	.91	.74	.44	.41	1.51	.86	2.79	2.58	2.35	2.58	18.98
77	3.62	4.80	1.20	1.33	1.17	3.10	1.88	1.97	.74	2.09	3.98	3.17	29.05
78	1.91	1.88	3.15	.96	6.77	3.50	2.32	1.56	1.40	.53	.41	6.24	30.63
79	1.66	2.60	3.91	2.41	2.26	2.50	1.76	3.87	1.46	1.82	2.93	5.43	32.61
80	2.24	2.57	2.00	1.92	1.53	5.87	6.03	3.59	1.13	2.86	1.98	1.74	33.46
81	2.45	.71	3.14	2.38	1.20	3.42	2.43	1.64	2.01	4.70	1.40	4.26	29.74
82	3.21	.72	3.39	.68	1.20	2.35	1.84	2.98	1.42	5.85	1.85	4.71	30.20
83	2.40	2.53	2.06	5.34	6.29	2.19	1.15	.38	2.22	1.49	1.57	1.84	29.46
84	5.10	2.89	1.35	1.90	4.58	1.45	1.61	1.44	4.22	1.61	2.78	1.25	30.18
85	1.90	.98	1.79	2.09	3.49	2.90	2.97	2.00	.60	.76	2.52	1.34	23.34

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	3.38	.50	3.13	2.54	3.01	2.57	1.93	2.89	3.70	3.73	1.96	2.94	32.28
87	1.18	1.76	2.66	.97	2.01	3.83	2.60	3.13	2.73	4.79	2.96	1.02	29.64
88	3.29	3.51	3.93	.73	2.66								14.12*

LEAST	.25	.04	.20	.33	.33	.37	.68	.38	TRACE	.20	.41	.23	16.07
GREATEST	5.10	4.80	5.56	5.34	6.77	5.87	6.03	7.83	5.26	5.85	5.28	6.24	33.87
MEAN	2.20	1.92	2.00	1.75	2.40	2.65	2.33	2.56	2.02	2.03	2.13	2.46	26.07
MEDIAN	1.98	1.87	1.91	1.78	1.97	2.61	2.17	2.32	1.55	1.82	1.90	2.34	27.10
SD	1.123	1.159	1.144	.990	1.477	1.198	1.046	1.515	1.323	1.402	1.180	1.556	5.386
TOTAL OBS	1116	1017	1146	1110	1147	1080	1072	1088	1080	1116	1079	1116	13167

THE GREATEST VALUE OF 7.83 OCCURRED ON 08/68

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 5203-8805

LST TO UTC: -01

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			1.76	.74	.11	.72	.46	.78	.77	.78	1.43	1.05	1.76*
53	.31	.70	.11	.19	.77	1.60	.54	.23	.62	.14	.25	.19	1.60
54	.42	1.44	.25	.54	.60	1.41	.90	.92	.46	.45	.68	1.42	1.44
55	.71	.63	.31	.17	.64	.76	.56	.56	.40	.78	.13	.43	.78
56	.45	.21	.20	.60	.84	.85	.83	.92	.33	.63	.40	.27	.92
57	.13	.58	.48	.16	.24	1.56	.67	1.35	1.25	.81	.30	.74	1.56
58	1.18	.56	.52	.39	.71	.60	.75	1.21	.27	.73	.30	.46	1.21
59	.31	.03	.49	.29	.23	.97	.81	.89	TRACE	.45	.33	.49	.97
60	.44	.32	.17	.37	.64	.50	.54	1.21	.57	.37	.42	.52	1.21
61	.63	.27	.19	.67	.43	1.13	1.61	.45	.20	.69	.64	.55	1.61
62	1.36	.65	.77	1.70	.46	.22	1.30*	.21	1.20	.18	.42	.36	1.70*
63	.33	.25	.62	.48	.20	1.08	.30	.81	.39	.57	.74	.14	1.08
64	.08	.30	.45	.24	.46	.53	.26	.44	.54	.37	.84	.25	.84
65	.87	.20	.59	.27	.53	.76	.63*	.45	.56	.09	.71	.93	.93*
66	.46	.32	.39	.47	1.13	.75	.70	.58	.36	.64	.35	1.26	1.26
67	.22	.76	.45	.70	.77	.63	.90	.72	2.13	.49	.42	1.06	2.13
68	.63	.40	.35	.72	.49	.69	.70	1.67	1.11	.48	.76	.53	1.67
69	.92	.68	1.07	.51	.55	.46	.38*	.07*	.29	.10	.53	.24	1.07*
70	.64	.83	.51	.65	1.63	.71	1.16	.22	.24	.27	.39	.36	1.63
71	.38	.19	.23	.30	.79	.48	.33	.42	.39	.50	.47	.20	.79
72	.39	.47	.26	.37	.55	1.14	.87	.67	.35	.19	1.19	.37	1.19
73	.28	.34	.07	.64	.41	.29	.71	.41	.38	.58	.38	.43	.71
74	.19	.51	.35	.20	.49	.40	.71	.31	.36	.68	.50	.52	.71
75	.38	.49	.57	.38	.43	1.33	.88	.82	.63	.20	.31	.30	1.33
76	.25	.42	.23	.24	.14	.33	.70	.31	.71	1.08	.64	.69	1.08
77	.63	1.14	.37	.40	.31	1.01	1.25	.45	.60	.60	.83	.58	1.25
78	.56	.50	.75	.25	1.46	1.54	.41	.64	.42	.23	.23	1.71	1.71
79	.34	.64	.53	.34	.68	.53	.68	1.21	.77	.47	.58	1.26	1.26
80	.85	.72	.44	.53	.64	1.40	1.40	1.63	.28	.67	.60	.23	1.63
81	.74	.20	.57	1.22	.34	1.06	.67	.58	.80	1.56	.56	.89	1.56
82	.72	.22	.77	.38	.30	.46	.63	.93	.42	1.19	.31	.93	1.19
83	.39	.55	.49	1.51	1.17	1.11	.34	.14	1.00	.45	.68	.68	1.51
84	.98	.57	.51	.84	1.13	.48	.56	.34	.86	.27	.91	.50	1.13
85	.27	.61	.39	.43	.85	.67	.87	.71	.21	.24	.43	.46	.87

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	.54	.22	.80	.54	.64	.81	.74	.76	.97	1.17	.47	.76	1.17
87	.75	.37	.51	.24	.35	.75	.58	.66	.65	1.40	.55	.62	1.40
88	.42	.58	.80	.18	.93								.93*

GREATEST	1.36	1.44	1.76	1.70	1.63	1.60	1.61	1.67	2.13	1.56	1.43	1.71	2.13
TOTAL OBS	1116	1017	1146	1110	1147	1080	1072	1088	1080	1116	1079	1116	13167

THE GREATEST VALUE OF 2.13 OCCURRED ON 09/21/67

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	60.3	65.4	80.5	89.4	99.2	100.0	100.0	100.0	100.0	99.5	83.8	68.2	87.2
TRACE	21.8	17.8	11.6	8.3	.8					.5	9.8	19.9	7.5
0.1-0.4	8.8	7.4	3.7	1.4							2.6	5.7	2.4
0.5-1.4	6.0	6.2	2.4	.8							2.4	3.5	1.8
1.5-2.4	1.3	2.0	.9								.8	1.5	.5
2.5-3.4	1.2	1.0	.4								.2	.6	.3
3.5-4.4	.1	.2	.1	.1							.3	.3	.1
4.5-6.4	.4	.1	.3	.1							.1	.2	.1
6.5-10.4	.2		.1									.1	.0
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	17.9	16.8	7.9	2.3							6.4	11.9	5.2
TOTAL NO. OF OBSERVATIONS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			3.5	6.0	.0	.0	.0	.0	.0	.0	3.3	2.4	15.2*
53	1.3	8.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.4	11.0
54	7.0	2.6	.3	.8	.0	.0	.0	.0	.0	.0	TRACE	.1	10.8
55	5.3	8.4	6.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	23.2
56	2.8	3.7	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	9.7
57	1.0	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.0
58	7.3	11.8	13.8	1.7	.0	.0	.0	.0	.0	.0	TRACE	3.5	38.1
59	9.7	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	9.8
60	3.2	.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.4	9.3
61	8.7	1.3	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	.9	11.9
62	.1	4.5	9.5	TRACE	.0	.0	.0	.0	.0	TRACE	8.5	1.5	24.1
63	6.9	8.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.9	18.5
64	1.4	2.0	6.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.9	18.0
65	5.5	4.3	8.4	.0	.0	.0	.0	.0	.0	.0	8.8	1.6	28.6
66	.9	TRACE	1.7	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	3.1	8.8
67	1.9	1.0	TRACE	.3	.0	.0	.0	.0	.0	.0	1.3	4.2	8.7
68	15.7	7.5	.4	1.6	.0	.0	.0	.0	.0	.0	2.3	4.9	32.4
69	2.8	13.2	.9	1.8	.0	.0	.0*	.0*	.0	.0	2.4	7.6	28.7*
70	10.7	7.7	10.2	1.1	.0	.0	.0	.0	.0	.0	TRACE	9.0	38.7
71	.8	.4	5.2	.0	.0	.0	.0	.0	.0	.0	6.5	TRACE	12.9
72	3.5	.7	.3	.0	.0	.0	.0	.0	.0	TRACE	2.4	.0	6.9
73	.3	8.8	1.4	.6	.0	.0	.0	.0	.0	TRACE	3.2	1.6	15.9
74	TRACE	.6	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.1	.9
75	TRACE	TRACE	8.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	8.6
76	7.5	4.3	TRACE	.2	.0	.0	.0	.0	.0	.0	2.3	6.9	21.2
77	14.2	TRACE	1.2	TRACE	.0	.0	.0	.0	.0	.0	.5	1.0	16.9
78	2.8	9.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.9	16.8
79	13.9	1.6	.0	TRACE	TRACE	.0	.0	.0	.0	.0	1.2	1.4	18.1
80	2.3	TRACE	.2	.5	.0	.0	.0	.0	.0	.0	5.6	9.5	18.1
81	7.2	3.6	TRACE	4.5	TRACE	.0	.0	.0	.0	.0	TRACE	21.8	37.1
82	14.5	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.6	18.1
83	.7	6.3	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.2
84	8.0	4.7	2.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	15.5
85	8.6	4.1	4.4	TRACE	.0	.0	.0	.0	.0	.0	12.2	6.8	36.1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	3.1	5.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	7.4	16.2
87	4.0	5.8	7.1	TRACE	TRACE	.0	.0	.0	.0	.0	3.7	TRACE	20.6
88	.2	5.1	4.0	.3	.0								9.6*

LEAST	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
GREATEST	15.7	13.2	13.8	6.0	TRACE	.0	.0	.0	.0	TRACE	12.2	21.8	38.7
MEAN	5.1	4.1	2.6	.5	TRACE	.0	.0	.0	.0	TRACE	1.9	3.5	17.3
MEDIAN	3.4	3.9	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	16.5
SD	4.595	3.667	3.706	1.262	.000	.000	.000	.000	.000	.000	2.993	4.288	10.128
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

THE GREATEST VALUE OF 21.8 OCCURRED ON 12/81

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			2.0	6.0	.0	.0	.0	.0	.0	.0	1.5	1.0	6.0*
53	1.1	2.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.8
54	1.8	1.2	.3	.5	.0	.0	.0	.0	.0	.0	TRACE	.1	1.8
55	2.1	1.9	2.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	3.0
56	1.3	2.2	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.1	2.2
57	.5	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.5
58	4.9	5.1	5.3	.6	.0	.0	.0	.0	.0	.0	TRACE	3.0	5.3
59	3.1	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.1
60	2.0	.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	2.0
61	6.3	.8	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	.5	6.3
62	.1	2.4	5.7	TRACE	.0	.0	.0	.0	.0	TRACE	5.4	.6	5.7
63	2.7	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.4
64	1.2	.9	4.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.9	4.4
65	1.8	1.2	5.1	.0	.0	.0	.0	.0	.0	.0	4.0	.5	5.1
66	.4	TRACE	1.0	TRACE	.0	.0	.0	.0	.0	TRACE	1.4	1.2	1.4
67	.7	.5	TRACE	.2	.0	.0	.0	.0	.0	.0	1.1	3.0	3.0
68	5.8	4.0	.3	.8	.0	.0	.0	.0	.0	.0	.9	2.2	5.8
69	1.3	2.0	.8	1.3	.0	.0	.0*	.0*	.0	.0	.8	2.4	2.4*
70	7.2	2.0	4.7	.5	.0	.0	.0	.0	.0	.0	TRACE	6.7	7.2
71	.5	.2	2.6	.0	.0	.0	.0	.0	.0	.0	2.0	TRACE	2.6
72	1.3	.5	.3	.0	.0	.0	.0	.0	.0	TRACE	1.6	.0	1.6
73	.3	3.8	.7	.4	.0	.0	.0	.0	.0	TRACE	2.0	.7	3.8
74	TRACE	.6	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.1	.6
75	TRACE	TRACE	7.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	7.6
76	3.5	2.5	TRACE	.2	.0	.0	.0	.0	.0	.0	2.1	1.8	3.5
77	5.9	TRACE	1.2	TRACE	.0	.0	.0	.0	.0	.0	.5	1.0	5.9
78	1.1	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.8	2.8
79	2.8	.8	.0	TRACE	TRACE	.0	.0	.0	.0	.0	1.0	1.0	2.8
80	1.7	TRACE	.2	.4	.0	.0	.0	.0	.0	.0	4.2	2.9	4.2
81	1.5	1.8	TRACE	3.5	TRACE	.0	.0	.0	.0	.0	TRACE	5.0	5.0
82	6.7	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.6	6.7
83	.7	3.0	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0
84	3.3	3.0	2.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.5	3.3
85	2.7	2.0	2.2	TRACE	.0	.0	.0	.0	.0	.0	3.1	6.0	6.0

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	1.0	3.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	2.7	3.0
87	1.4	1.6	2.9	TRACE	TRACE	.0	.0	.0	.0	.0	3.7	TRACE	3.7
88	.1	1.7	2.3	.3	.0								2.3*

GREATEST	7.2	5.1	7.6	6.0	TRACE	.0	.0	.0	.0	TRACE	5.4	6.7	7.6
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

THE GREATEST VALUE OF 7.6 OCCURRED ON 03/19/75

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	61.4	68.1	89.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	93.4	79.9	91.1
TRACE	13.7	10.7	5.3	.5							3.8	10.0	3.6
1	8.1	7.0	2.5	.1							.8	5.3	1.9
2	4.6	6.7	1.7	.1							.6	1.6	1.2
3	4.9	4.2	.5								.3	.9	.9
4-6	6.9	3.1	.5	.1							1.0	1.7	1.1
7-12	.4	.1	.1									.6	.1
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	24.9	21.2	5.4	.3							2.8	10.1	5.3
TOTAL NO. OF OBSERVATIONS	1085	1016	1115	1110	1147	1080	1096	1089	1080	1116	1080	1115	13129

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTFEN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			1	6	0	0	0	0	0	0	1	1	6*
53	1	2	TRACE	0	0	0	0	0	0	0	0	TRACE	2
54	5	2	TRACE	0	0	0	0	0	0	0	0	TRACE	5
55	1	5	3	0	0	0	0	0	0	0	TRACE	1	5
56	1	4	TRACE	0	0	0	0	0	0	0	0	1	4
57	3	0	0	0	0	0	0	0	0	0	0	TRACE	3
58	4	8	5	TRACE	0	0	0	0	0	0	0	3	8
59	4	0	0	0	0	0	0	0	0	0	TRACE	TRACE	4
60	3	1	0	0	0	0	0	0	0	0	0	2	3
61	5	TRACE	0	0	0	0	0	0	0	0	TRACE	1	6
62	0	3	5	0	0	0	0	0	0	0	4	TRACE	5
63	4	5	2	0	0	0	0	0	0	0	0	2	5
64	0	0	0	0	0	0	0	0	0	0	0	4	4
65	0	0	0*	0	0	0	0	0	0	0	0	0	0*
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0*	0	0	0	0	0	0	0	0	0	0	2	2*
68	6	6	0	0	0	0	0	0	0	0	2	5	6
69	3	4	TRACE	TRACE	0	0	0*	0*	0	0	TRACE	2	4*
70	8	2	5	0	0	0	0	0	0	0	0	6	8
71	4	TRACE	1	0	0	0	0	0	0	0	2	TRACE	4
72	1	TRACE	0	0	0	0	0	0	0	0	1	0	1
73	TRACE	3	0	0	0	0	0	0	0	0	2	1	3
74	0	0	TRACE	0	0	0	0	0	0	0	0	TRACE	TRACE
75	0	0	7	0	0	0	0	0	0	0	0	0	7
76	6	3	TRACE	0	0	0	0	0	0	0	TRACE	1	6
77	2	1	0	0	0	0	0	0	0	0	TRACE	0	2
78	1	6	0	0	0	0	0	0	0	0	0	2	6
79	6	1	0	0	0	0	0	0	0	0	TRACE	0	6
80	2	0	0	0	0	0	0	0	0	0	4	6	6
81	4	2	0	2	0	0	0	0	0	0	TRACE	9	9
82	7	2	0	TRACE	0	0	0	0	0	0	0	2	7
83	TRACE	2	0	0	0	0	0	0	0	0	0	TRACE	2
84	4	2	1	TRACE	0	0	0	0	0	0	0	TRACE	4
85	4	4	1	0	0	0	0	0	0	0	6	5	6

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	2	5	1	0	0	0	0	0	0	0	0	3	5
87	1	4	2	0	0	0	0	0	0	0	4	TRACE	4
88	TRACE	TRACE	1	0	0								1*

GREATEST	8	8	7	6	0	0	0	0	0	0	6	9	9
TOTAL OBS	1085	1016	1115	1110	1147	1080	1096	1089	1080	1116	1080	1115	13129

THE GREATEST VALUE OF 9 OCCURRED ON 12/25/81

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 5203-8805

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
51 - 52	MAR 26	MAR 28	MAR 29	APR 02	APR 01	APR 01
52 - 53	NOV 08	NOV 09	NOV 26	MAR 11	MAR 11	FEB 15
53 - 54	DEC 20	DEC 27	JAN 03	APR 19	APR 19	FEB 10
54 - 55	NOV 15	DEC 25	JAN 02	APR 16	MAR 21	MAR 21
55 - 56	NOV 16	DEC 11	DEC 12	APR 20	MAR 14	FEB 29
56 - 57	NOV 23	DEC 22	DEC 22	MAY 08	JAN 13	JAN 24
57 - 58	NOV 22	JAN 20	JAN 20	APR 17	APR 11	MAR 15
58 - 59	NOV 28	DEC 09	DEC 09	APR 20	APR 07	JAN 20
59 - 60	NOV 05	JAN 11	JAN 12	APR 29	FEB 19	FEB 19
60 - 61	NOV 08	DEC 10	DEC 19	MAR 30	FEB 04	JAN 28
61 - 62	NOV 04	NOV 07	DEC 27	APR 30	MAR 15	MAR 09
62 - 63	OCT 30	NOV 13	NOV 21	MAR 26	FEB 21	MAR 04
63 - 64	DEC 05	DEC 13	DEC 14	APR 06	MAR 29	DEC 25
64 - 65	NOV 30	DEC 03	DEC 04	MAR 13	MAR 09	DEC 29
65 - 66	NOV 03	NOV 13		APR 14	MAR 29	
66 - 67	OCT 30	NOV 04		APR 24	APR 07	
67 - 68	NOV 10	NOV 27	DEC 20	APR 04	APR 04	FEB 27
68 - 69	NOV 15	NOV 16	NOV 19	APR 19	APR 18	FEB 21
69 - 70	NOV 24	NOV 24	DEC 06	APR 29	APR 10	MAR 10
70 - 71	NOV 17	DEC 22	DEC 22	MAR 12	MAR 12	MAR 12
71 - 72	NOV 19	NOV 19	NOV 21	MAR 28	MAR 12	JAN 25
72 - 73	OCT 20	NOV 16	NOV 17	APR 20	APR 20	FEB 24
73 - 74	OCT 18	NOV 27	NOV 29	APR 16	MAR 02	DEC 15
74 - 75	DEC 11	DEC 12	MAR 18	APR 10	MAR 25	MAR 23
75 - 76	OCT 11	JAN 04	JAN 25	APR 24	APR 24	FEB 16
76 - 77	NOV 22	NOV 22	DEC 03	APR 15	MAR 28	FEB 03
77 - 78	NOV 13	NOV 17	JAN 18	APR 16	FEB 19	FEB 23
78 - 79	NOV 27	DEC 17	DEC 20	MAY 04	FEB 23	FEB 01
79 - 80	NOV 12	NOV 18	JAN 04	APR 25	APR 25	JAN 04
80 - 81	NOV 04	NOV 06	NOV 29	MAY 04	APR 27	APR 28

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 5203-8805

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
81 - 82	NOV 07	DEC 09	DEC 11	APR 30	FEB 23	FEB 25
82 - 83	OCT 15	DEC 18	DEC 18	APR 13	MAR 22	FEB 13
83 - 84	NOV 15	JAN 08	JAN 16	APR 04	MAR 03	MAR 03
84 - 85	DEC 18	DEC 26	JAN 01	APR 29	MAR 19	MAR 19
85 - 86	NOV 10	NOV 19	NOV 19	APR 14	FEB 10	MAR 02
86 - 87	DEC 16	DEC 17	DEC 22	MAY 04	MAR 22	MAR 20
87 - 88	NOV 25	NOV 25	NOV 25	APR 10	APR 09	MAR 01

MEDIAN-DATE

NOV 15

DEC 09

DEC 19

APR 16

MAR 22

FEB 24

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 6106-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
61						SSW 39	W 35	SW 32	WSW 34	SSW 35	SW 33	SW 51	SW *51
62	SW 48	WSW 43	SSW 32	SW 38	SW 26	W 26	SW 28	W *44	W 36	E 24	SW 20	W 36	SW *48
63	ENE 28	E 20	W 36	SW 34	W *24	W *34	WSW 24	SSW 33	W 28	SW 24	W 38	NE 19	W *38
64	WSW 20	SW 28	ENE 24	W 35	SW 30	WSW 40	WSW 33	WSW 42	W 33	SW 39	SW 50	SW 38	SW 50
65	SW 46	N 36	SW 34	W 31	WSW 35	SW 46	W *44	*	SSW 29	WSW 27	WSW 49	W 53	W *53
66	SW 38	W 36	WSW 45	WSW 40	W 40	WSW 33	WSW 36	SW 27	WSW 28	SW 34	SSW 41	WSW 40	WSW 45
67	NNW*13	SW 54	WSW 39	W 37	SW 47	SW 20	W 19	WSW 41	WSW 25	WSW 39	SW 32	W 38	SW *54
68	SW 42	SW 27	SW 40	SW 29	WSW 36	W 26	23/ 35	27/ 32	24/ 25	26/ 25	08/ 26	25/ 26	SW 42
69	22/ 26	27/ 32	24/ 27	27/ 43	28/ 28	24/ 23	23/*37	26/*21	27/ 27	25/ 20	25/ 49	24/ 25	25/*49
70	20/ 26	22/ 53	25/ 40	24/ 37	08/ 28	09/ 29	33/ 38	24/ 27	22/ 35	27/ 34	25/ 33	23/ 34	22/ 53
71	28/ 53	24/ 31	21/ 28	26/ 32	30/ 30	26/ 35	25/ 32	23/ 48	15/ 24	22/ 30	24/ 37	24/ 31	28/ 53
72	05/ 33	22/ 31	27/ 50	26/ 54	23/ 47	27/ 30	09/ 30	23/ 30	28/ 36	09/ 24	24/ 53	24/ 36	26/ 54
73	24/ 26	23/ 45	04/ 28	20/ 49	24/ 39	26/ 32	27/ 38	26/ 30	27/ 42	25/ 38	30/ 38	26/ 36	20/ 49
74	27/ 45	26/ 43	27/ 39	09/ 24	28/ 30	28/ 32	28/ 30	25/ 29	30/ 40	22/ 34	28/ 43	25/ 41	27/ 45
75	27/ 33	10/*24	25/ 33	23/ 30	06/ 36	09/ 31	16/ 32	21/ 30	21/ 36	27/ 30	24/ 40	12/ 36	24/*40
76	25/ 46	22/ 28	25/ 29	07/ 27	24/ 31	25/ 29	26/ 29	08/ 38	23/ 29	28/ 21	26/ 50	23/ 38	26/ 50
77	24/ 41	23/ 37	26/ 34	23/ 46	23/ 35	27/ 31	25/ 27	25/ 20	25/*19	23/*22	28/ 51	29/ 38	28/*51
78	24/ 42	22/ 32	27/ 42	09/ 31	26/ 25	24/ 31	24/ 32	28/ 25	25/ 33	26/ 22	24/ 22	26/ 50	26/ 50
79	25/ 33	23/ 34	23/ 44	25/ 35	26/ 40	24/ 25	31/ 40	26/ 28	23/ 28	10/ 22	23/ 42	25/ 54	25/ 54
80	21/ 42	23/ 45	22/ 34	23/ 46	09/ 28	24/ 28	22/ 30	26/ 31	21/ 29	25/ 39	21/ 36	18/ 39	23/ 46
81	24/ 35	25/ 26	25/ 32	06/ 25	24/ 20	30/ 32	24/ 43	23/ 28	22/ 26	25/ 40	26/ 26	25/ 42	24/ 43
82	23/ 37	29/ 20	24/ 46	27/ 28	11/ 30	27/ 31	27/ 23	23/ 20	20/ 23	27/ 32	28/ 29	22/ 35	24/ 46
83	35/ 43	24/ 52	30/ 38	24/ 36	28/ 26	26/ 26	27/ 26	25/ 27	27/ 38	24/ 32	25/ 45	28/ 32	24/ 52
84	30/ 51	26/ 46	24/ 31	05/ 31	24/ 31	30/ 28	28/ 36	29/ 41	30/ 41	26/ 43	27/ 57	30/ 27	27/ 57
85	24/ 29	26/ 30	23/ 35	29/ 42	25/ 31	27/ 32	31/ 27	23/ 36	27/ 30	25/ 28	23/ 35	24/ 38	27/ 42
86	27/ 50	08/ 20	28/ 42	25/ 26	29/ 22	29/ 26	28/ 26	24/ 27	30/ 29	30/ 35	10/ 28	28/ 40	27/ 50
87	27/ 44	24/ 27	21/ 40	25/ 29	21/ 29	23/ 36	19/ 25	10/ 30	24/ 25	23/ 35	25/ 39	24/ 18	27/ 44
88	22/ 39	23/ 37	27/ 40	05/ 18	20/ 29								27/*40

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6106-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GREATEST	28/ 53 SW	54	27/ 50	26/ 54 SW	47 SW	46 W	44	23/ 48	27/ 42	26/ 43	27/ 57	25/ 54	27/ 57
TOTAL OBS	806	755	835	806	831	803	799	772	798	827	808	836	9676

THE PEAK WIND OF 57 FROM 27/ OCCURRED ON 11/24/84

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 6106-8805  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN MEDIAN		TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	WIND	WIND	
JAN	4.2	17.4	25.3	19.9	15.0	7.3	5.7	2.7	2.1	.4	.0	16.9	15.0	806
FEB	2.3	17.6	30.2	23.2	13.1	5.2	3.6	2.9	1.5	.5	.0	16.2	14.0	755
MAR	.7	9.9	27.4	25.0	16.6	10.1	6.1	2.5	1.4	.1	.0	18.1	16.0	835
APR	.0	6.2	28.3	29.7	20.6	7.9	4.2	1.9	1.1	.1	.0	18.0	17.0	806
MAY	.1	6.5	29.0	32.7	19.9	7.9	2.5	.8	.5	.0	.0	17.3	17.0	831
JUN	.0	7.0	29.5	31.9	19.8	7.8	3.1	.6	.2	.0	.0	17.1	16.0	803
JUL	.1	6.4	36.5	29.8	17.5	6.3	1.8	1.1	.5	.0	.0	16.6	15.0	799
AUG	.4	11.1	37.2	28.0	14.5	5.4	1.9	.5	.9	.0	.0	15.8	15.0	772
SEP	.8	16.9	32.5	25.1	15.3	6.8	1.8	.6	.4	.0	.0	15.4	14.0	798
OCT	3.4	23.9	31.0	19.7	12.3	5.0	3.4	1.1	.2	.0	.0	14.4	13.0	827
NOV	3.0	20.0	25.7	19.3	12.9	8.4	4.8	3.0	2.1	.7	.0	16.8	15.0	808
DEC	3.2	19.9	25.0	20.9	13.2	6.6	5.9	3.6	1.1	.7	.0	16.6	15.0	836
ANNUAL	1.5	13.6	29.7	25.4	15.9	7.1	3.8	1.8	1.0	.2	.0	16.6	15.0	9676

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.5										.8	5.4	5.0
020-040	1.4	.2										.6	2.7	2.0
050-070	5.4	3.6	.1									9.0	3.8	3.0
(E) 080-100	2.9	.9	.2									4.0	3.5	3.0
110-130	.5											.3	2.7	3.0
140-160				.1								.1	18.0	18.0
(S) 170-190	.2	.6										.9	4.9	5.5
200-220	1.5	1.7	1.7	.1								5.1	7.3	7.0
230-250	4.3	9.3	9.5	3.2	.4							26.7	9.3	9.0
(W) 260-280	5.1	4.8	4.3	2.0	.1							16.4	8.3	8.0
290-310	1.1	.4	.2									1.7	4.4	3.0
320-340	.8	.3										1.1	3.5	3.5
VARIABLE		.6		.1			.1					.9	11.9	8.0
CALM	////////////////////////////////////											31.5	////////	
TOTALS	23.2	22.9	16.0	5.5	.5		.1					100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 929



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9		.1									1.0	3.3	3.0
020-040	.6	.3										1.0	3.1	3.0
050-070	5.8	3.8										9.6	3.9	4.0
(E) 080-100	3.5	.6	.1									4.3	3.5	3.0
110-130	.6	.1										.8	2.6	2.0
140-160	.3	.1										.4	4.5	3.5
(S) 170-190	.3	.8										1.1	5.3	5.5
200-220	1.0	1.9	1.1	1.1								5.1	8.9	8.0
230-250	4.6	10.3	7.2	4.3	.4							26.9	9.3	9.0
(W) 260-280	4.2	5.2	3.9	1.1								14.3	7.7	7.0
290-310	1.5	.2	.3									2.0	4.3	3.0
320-340	.8	.2										1.0	3.4	3.0
VARIABLE		.6	.8									1.4	9.8	10.0
CALM	////////////////////////////////////											31.3	////////////////////////////////	
TOTALS	24.1	24.1	13.5	6.5	.4							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 78 - JAN 88  
MONTH: JAN HOURS: 00-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.1										.6	3.2	3.0
020-040	1.3	.2										1.5	2.7	2.0
050-070	5.5	4.0	.1									9.6	3.9	4.0
(E) 080-100	3.5	1.1	.2									4.8	3.8	3.0
110-130	.5											.5	1.8	2.0
140-160	.6											.6	3.3	3.5
(S) 170-190	.3	.1	.3									.8	6.4	5.0
200-220	1.2	2.0	1.9	.4								5.6	8.5	8.0
230-250	3.9	10.9	8.7	3.0	.3							26.8	9.3	9.0
(W) 260-280	3.5	6.3	3.7	1.0	.2							14.7	7.8	8.0
290-310	1.2	.6										1.8	4.1	2.0
320-340	.3	.3										.6	4.7	4.5
VARIABLE		.2	1.0	.3								1.5	11.8	12.0
CALM	////////////////////////////////////											30.4	////////////////////////////////	
TOTALS	22.3	25.8	15.9	4.7	.5							100.0	5.1	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.3										.8	4.3	4.0
020-040	1.5	.2										1.7	2.7	2.5
050-00	6.5	4.2	.4									11.1	4.3	4.0
(E) 080-100	2.4	1.0	.4	.1								3.9	5.2	4.0
110-130	.8	.1										.9	2.8	2.5
140-160		.1	.1									.2	8.5	8.5
(S) 170-190	.2	.2										.4	4.8	4.5
200-220	.6	2.2	1.6	1.3								5.7	10.0	10.0
230-250	3.1	11.2	11.5	2.3	.9	.2						29.1	9.7	10.0
(W) 260-280	3.7	6.1	5.2	.9	.2							16.0	8.2	8.0
290-310	1.3	.3										1.6	2.9	3.0
320-340	.2											.2	1.5	1.5
VARIABLE		1.1	.3	.8								2.2	10.8	9.0
CALM	////////////////////////////////////											26.2	////////	
TOTALS	20.7	27.0	19.5	5.4	1.1	.2						100.0	5.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.8										2.2	3.8	4.0
020-040	3.5	1.0										4.5	3.0	2.5
050-070	7.7	5.4	.4									13.5	4.4	4.0
(E) 080-100	2.2	1.1	.4	.2								3.9	5.4	4.0
110-130	.4	.3										.8	4.1	4.0
140-160	.2	.4										.6	5.0	5.0
(S) 170-190	.2	.6										.9	5.3	5.5
200-220	.9	3.4	2.2	.8	.1							7.3	9.0	8.0
230-250	1.9	9.9	10.8	3.7	.9							27.1	10.5	10.0
(W) 260-280	3.3	5.4	8.3	1.6	.3							18.9	9.3	10.0
290-310	1.3	1.4	.2	.1								3.0	5.3	5.0
320-340	.5	.1			.1							.8	4.9	2.0
VARIABLE		1.6	.8	.2	.2							2.8	10.0	8.0
CALM	////////////////////////////////////											13.8	////////	
TOTALS	23.5	31.4	23.1	6.6	1.6							100.0	6.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	.2										2.8	2.6	2.0
020-040	4.1	.5										4.6	2.9	3.0
050-070	7.5	6.3	.6									14.5	4.7	4.0
(E) 080-100	1.9	1.2	.9									4.0	5.5	5.0
110-130	.2	.1		.1								.4	7.0	4.5
140-160	.3	.1	.1									.5	5.2	4.0
(S) 170-190	.8	.2										1.0	3.9	3.0
200-220	1.8	3.2	3.7	.3	.2							9.2	8.7	8.5
230-250	3.7	10.3	9.0	2.9	.5							26.5	9.5	9.0
(W) 260-280	3.3	6.2	5.9	.9	.6							17.0	8.7	8.0
290-310	1.3	1.2	.2									2.7	4.9	5.0
320-340	1.1	.3										1.4	3.7	4.0
VARIABLE		.6	1.1	.2	.1							2.0	11.2	10.0
CALM	////////////////////////////////////											13.3	////////////////////////////////	
TOTALS	28.6	30.4	21.5	4.4	1.4							100.0	6.4	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.1										1.3	2.7	2.5
020-040	1.9	.2										2.2	2.6	2.0
050-070	7.4	4.6	.6									12.7	4.4	4.0
(E) 080-100	3.4	1.4	.2									5.1	4.1	4.0
110-130	.1											.1	2.0	2.0
140-160	.1			.1								.2	9.0	9.0
(S) 170-190	.4	.3		.1								.9	5.5	5.0
200-220	1.5	2.9	2.6	.9	.1	.1						8.1	9.2	9.0
230-250	4.2	8.6	8.8	2.4	.6							24.6	9.2	9.0
(W) 260-280	4.7	5.6	4.6	1.6	.3							16.9	8.2	8.0
290-310	1.4	.2										1.6	3.1	2.0
320-340	.3											.3	3.3	3.0
VARIABLE		1.2	.6	.1								1.9	8.9	8.0
CALM	////////////////////////////////////											24.2	////////	
TOTALS	26.6	25.1	17.4	5.2	1.0	.1						100.0	5.5	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.6											.6	2.5	2.0
020-040	.9	.1										1.0	2.6	2.0
050-070	6.2	4.5	.2									11.0	4.3	4.0
(E) 080-100	2.7	1.0	.1									3.8	3.7	3.0
110-130	.2		.2									.4	5.8	6.0
140-160	.1											.1	2.0	2.0
(S) 170-190	.2	.5	.2									1.0	6.1	5.0
200-220	.8	3.1	1.4	.4	.1	.2						6.0	9.0	8.0
230-250	2.8	8.4	9.8	3.8	.8	.1						25.6	10.1	10.0
(W) 260-280	3.7	5.4	4.6	1.7	.1							15.5	8.6	8.0
290-310	1.5	.5	.1									2.2	4.3	3.5
320-340	.3	.1										.4	4.5	3.5
VARIABLE		.8	.6									1.4	9.2	8.0
CALM	////////////////////////////////////											31.1	////////	
TOTALS	20.0	24.4	17.2	5.9	1.0	.3						100.0	5.4	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.0	.3	.0								1.3	3.3	3.0
020-040	1.9	.3									2.3	2.8	2.0
050-070	6.5	4.5	.3								11.4	4.3	4.0
(E) 080-100	2.8	1.0	.3	.0							4.2	4.3	3.0
110-130	.4	.1	.0	.0							.5	3.6	3.0
140-160	.2	.1	.0	.0							.4	5.5	4.0
(S) 170-190	.3	.4	.1	.0							.8	5.3	5.0
200-220	1.2	2.6	2.0	.7	.1	.0					6.5	8.9	8.0
230-250	3.6	9.9	9.4	3.2	.6	.0					26.7	9.6	9.0
(W) 260-280	3.9	5.6	5.1	1.3	.2						16.2	8.4	8.0
290-310	1.3	.6	.1	.0							2.1	4.3	4.0
320-340	.5	.2			.0						.7	3.8	3.0
VARIABLE		.8	.6	.2	.0		.0				1.8	10.4	10.0
CALM	////////////////////////////////////										25.2	////////////////////////////////	
TOTALS	23.6	26.4	17.9	5.4	.9						100.0	5.7	7.0

TOTAL NUMBER OF OBSERVATIONS 7439



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.1										.7	3.5	3.5
020-040	2.3	.6										2.9	2.8	2.0
050-070	8.7	3.9	.2									12.9	3.6	3.0
(E) 080-100	3.5	1.0	.1									4.5	3.4	3.0
110-130	.8	.0										.8	2.3	2.0
140-160	.2	.0		.0								.3	4.9	3.0
(S) 170-190	.2	.1										.3	2.3	1.0
200-220	1.0	1.3	.9	.3								3.6	7.8	8.0
230-250	4.2	10.0	8.9	3.2	.4	.0						26.7	9.4	9.0
(W) 260-280	4.0	5.5	2.4	.4	.1							12.4	6.9	6.0
290-310	.7	.2	.1									1.0	4.6	3.0
320-340	.5	.1										.6	2.8	2.0
VARIABLE														
CALM	////////////////////////////////////											33.4	////////////////////////////////	
TOTALS	26.7	22.8	12.6	3.9	.5							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 2692

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5											.5	1.5	1.0
020-040	2.4											2.4	2.4	2.0
050-070	11.4	7.8	.1									19.3	4.1	4.0
(E) 080-100	2.6	1.2										3.8	3.8	4.0
110-130	.4											.4	1.7	1.0
140-160	.1											.1	2.0	2.0
(S) 170-190	.1	.2	.2									.6	8.4	5.0
200-220	.4	1.4	1.3	.4	.1	.1						3.7	10.3	10.0
230-250	.9	4.2	3.3	.9	.1	.1						9.7	9.5	9.0
(W) 260-280	2.8	3.3	2.1	.4	.1	.1						8.8	7.5	6.0
290-310	.9	.4										1.3	3.3	3.0
320-340	.8	.5										1.3	3.5	3.0
VARIABLE		.4	.6	.1								1.1	10.8	11.0
CALM	////////////////////////////////////											47.2	////////	
TOTALS	23.3	19.4	7.6	1.8	.3	.3						100.0	3.2	5.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.4											.4	1.3	1.0
020-040	3.2	.4										3.5	2.7	2.0
050-070	9.7	6.4	.4									16.4	4.3	4.0
(E) 080-100	4.1	.8										4.9	3.0	3.0
110-130	.6	.1										.7	2.8	2.0
140-160		.1										.1	5.0	5.0
(S) 170-190	.1											.1	3.0	3.0
200-220	.	1.2	1.4	.1	.2							3.4	10.2	10.0
230-250	2.2	4.1	4.5	1.1	.1							12.0	9.0	9.0
(W) 260-280	2.8	2.4	2.1	.2	.2	.1						7.9	7.6	6.0
290-310	.7	.6	.2									1.5	4.8	5.0
320-340	.1	.5										.6	5.6	5.0
VARIABLE		.2	.4	.4	.1	.1						1.2	14.3	14.5
CALM	////////////////////////////////////											47.2	////////	
TOTALS	24.4	16.8	9.0	1.8	.6	.2						100.0	3.3	5.0
TOTAL NUMBER OF OBSERVATIONS 849														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.2										1.3	2.9	2.0
020-040	2.4	.6										2.9	3.2	3.0
050-070	11.2	6.6	.1	.1								18.0	4.1	4.0
(E) 080-100	4.1	1.2										5.3	3.4	2.0
110-130	.9											.9	1.6	2.0
140-160	.1	.1										.2	3.0	3.0
(S) 170-190		.2										.2	6.0	6.0
200-220	.6	1.4	.4	.4	.1							2.8	8.6	6.5
230-250	2.1	5.4	4.1	1.6	.1							13.4	8.9	8.0
(W) 260-280	1.6	2.4	1.3	.4	.2	.1						6.0	8.1	6.0
290-310	.8	.7	.2	.1								1.9	5.4	5.0
320-340	.2											.2	2.5	2.5
VARIABLE		.6	.5	.5	.1							1.6	11.9	11.5
CALM	////////////////////////////////////											45.0	////////////////////////////////	
TOTALS	25.1	19.4	6.6	3.1	.5	.1						100.0	3.3	5.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.1										1.4	2.8	3.0
020-040	6.4	2.5	.1									9.0	3.5	3.0
050-070	8.0	11.9	.5									20.4	5.2	5.0
(E) 080-100	5.2	2.4	.7									8.2	4.7	4.0
110-130	.8	.2										1.1	3.2	2.0
140-160	.5	.2										.7	3.7	3.0
(S) 170-190		.1	.1									.2	8.5	8.5
200-220	.2	1.1	.7	.2	.1							2.4	9.7	8.5
230-250	1.8	7.2	3.9	1.5	.2	.4						15.0	9.5	8.0
(W) 260-280	2.1	2.7	2.2	.5								7.5	7.7	8.0
290-310	1.8	.6	.4									2.7	4.9	4.0
320-340	.7	.5										1.2	4.1	3.5
VARIABLE		1.3	.6	.1								2.0	8.8	8.0
CALM	////////////////////////////////////											28.3	////////////////////////////////	
TOTALS	28.8	30.8	9.2	2.3	.3	.4						100.0	4.5	6.0
TOTAL NUMBER OF OBSERVATIONS 849														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.8										2.8	3.4	3.0
020-040	8.2	6.2	.2									14.7	4.4	4.0
050-070	9.1	14.1	2.0									25.2	5.5	5.0
(E) 080-100	1.5	1.9	1.3									4.7	6.8	7.0
110-130	.8	.4										1.2	3.9	3.0
140-160	.2											.2	1.0	1.0
(S) 170-190	.6	.1										.7	3.5	3.0
200-220	.7	2.4	1.3	.4								4.7	8.1	8.0
230-250	3.2	5.8	5.1	1.5	.1	.2						15.9	8.8	9.0
(W) 260-280	2.9	2.9	3.7	1.1	.1							10.7	8.2	8.0
290-310	1.6	.8	.8									3.3	5.9	4.5
320-340	.8	.5										1.3	4.4	4.0
VARIABLE	.1	2.6	1.2	.5	.1							4.5	9.6	9.0
CALM	////////////////////////////////////											10.0	////////	
TOTALS	31.7	38.5	15.6	3.5	.3	.2						100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	.6										3.1	3.8	3.0
020-040	9.8	5.2										15.0	3.8	3.0
050-070	10.5	13.4	1.3	.1								25.3	5.3	5.0
(E) 080-100	1.9	2.8	1.3									6.0	6.6	6.0
110-130	.5	.5										.9	4.6	4.5
140-160	.5	.1	.1									.7	3.8	2.0
(S) 170-190	.7	.2										.9	3.8	4.0
200-220	1.8	2.4	.6	.6								5.3	7.2	6.0
230-250	3.3	8.6	4.5	.9								17.3	7.8	8.0
(W) 260-280	2.1	3.4	2.1	.9	.1							8.7	8.1	7.5
290-310	.5	.9	.8	.1								2.4	8.5	8.0
320-340	1.6	.6		.1								2.4	4.0	3.0
VARIABLE		2.2	.8	.5	.1							3.7	9.7	8.0
CALM	////////////////////////////////////											8.4	////////////////////////////////	
TOTALS	35.7	40.9	11.5	3.2	.2							100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.2										1.4	2.5	2.0
020-040	5.1	1.4										6.5	2.8	2.0
050-070	15.0	7.3	.7									23.0	3.9	4.0
(E) 080-100	3.8	1.5	.2	.1								5.7	4.2	3.0
110-130		.2										.2	6.0	6.0
140-160	.1											.1	1.0	1.0
(S) 170-190	1.3											1.3	2.3	2.0
200-220	1.4	.7	1.1	.1	.1							3.4	7.3	6.0
230-250	2.2	4.9	3.2	.9								11.3	8.3	8.0
(W) 260-280	2.4	2.6	.9	.8	.1							6.8	7.2	6.5
290-310	1.4	.2										1.6	3.0	2.5
320-340	.4	.4	.2									.9	5.6	5.5
VARIABLE		.9	.6	.5	.1	.1						2.2	11.7	10.0
CALM	////////////////////////////////////											35.5	////////	
TOTALS	34.3	20.3	6.9	2.4	.3	.1						100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 849



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8		.1									.9	3.4	2.0
020-040	2.8	.6										3.4	2.7	3.0
050-070	11.8	6.9	.1									18.8	4.0	4.0
(E) 080-100	2.4	.8										3.2	3.4	3.0
110-130	.5											.5	2.0	2.0
140-160	.2	.1										.4	3.7	3.0
(S) 170-190	.6	.1	.1									.8	4.6	4.0
200-220	.2	.9	.9	.1								2.2	8.7	9.0
230-250	2.2	5.3	3.8	.8	.1							12.2	8.4	8.0
(W) 260-280	1.8	2.1	1.2	.5	.5							6.0	8.4	8.0
290-310	.9	.2										1.2	3.1	3.5
320-340	.6	.4										.9	3.3	2.5
VARIABLE		.5	.1	.4	.1							1.1	12.3	10.0
CALM	////////////////////////////////////											48.3	////////////////////////////////	
TOTALS	24.8	17.9	6.3	1.8	.7							100.0	3.0	5.0

TOTAL NUMBER OF OBSERVATIONS 840

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.3	.0									1.5	3.1	3.0
020-040	5.0	2.1	.0									7.2	3.6	3.0
050-070	10.8	9.3	.6	.0								20.8	4.6	4.0
(E) 080-100	3.2	1.6	.4	.0								5.2	4.6	4.0
110-130	.6	.2										.7	3.2	2.0
140-160	.2	.1	.0									.3	3.3	2.0
(S) 170-190	.4	.1	.1									.6	4.3	3.5
200-220	.7	1.4	1.0	.3	.1	.0						3.5	8.6	8.0
230-250	2.3	5.7	4.0	1.2	.1	.1						13.4	8.7	8.0
(W) 260-280	2.3	2.7	2.0	.6	.2	.0						7.8	7.9	7.0
290-310	1.1	.6	.3	.0								2.0	5.2	4.0
320-340	.7	.4	.0	.0								1.1	4.2	4.0
VARIABLE	.0	1.1	.6	.4	.1	.0						2.2	10.6	9.0
CALM	////////////////////////////////////											33.7	////////////////////////////////	
TOTALS	28.5	25.6	9.0	2.5	.5	.1						100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.0										.7	2.4	2.0
020-040	5.9	1.9										7.9	3.4	3.0
050-070	10.4	5.5	.1									16.0	3.9	4.0
(E) 080-100	3.0	1.2	.0									4.3	3.8	3.0
110-130	.6	.2										.8	3.2	3.0
140-160	.3		.0									.3	2.9	2.0
(S) 170-190	.3											.3	2.3	2.0
200-220	.5	.7	.3	.1								1.6	6.7	6.0
230-250	3.1	5.9	4.5	.8	.0							14.3	8.0	8.0
(W) 260-280	3.2	2.8	1.7	.8								8.6	7.2	6.0
290-310	1.3	.4										1.7	3.1	3.0
320-340	.7	.0										.8	2.6	2.5
VARIABLE														
CALM	////////////////////											42.6	////////	
TOTALS	30.0	18.6	6.6	1.7								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 2021

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.2										.8	2.6	2.0
020-040	1.5	.1										1.6	2.2	2.0
050-070	3.4	1.5										4.9	3.7	3.0
(E) 080-100	1.4	.2										1.6	2.3	2.0
110-130	.2											.2	1.5	1.5
140-160	.1	.1										.2	4.0	4.0
(S) 170-190	.8	.8										1.5	5.0	4.5
200-220	1.2	2.4	1.1	.3								4.9	7.6	8.0
230-250	5.4	10.1	6.2	1.8	.2							23.8	8.2	8.0
(W) 260-280	4.6	3.4	2.0	.1	.2							10.4	6.2	5.0
290-310	1.5			.1								1.6	3.5	3.0
320-340	.3											.3	2.0	1.0
VARIABLE		.1	.4									.5	10.8	10.0
CALM	////////////////////////////////////											47.5	////////////////////////////////	
TOTALS	20.9	18.9	9.7	2.3	.4							100.0	3.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.3										.8	4.0	4.0
020-040	1.4											1.4	2.3	2.0
050-070	2.4	1.9	.2									4.5	4.2	4.0
(E) 080-100	1.7											1.7	2.5	2.0
110-130	.5											.5	3.0	3.0
140-160	.1											.1	4.0	4.0
(S) 170-190	.4	.1										.5	4.0	3.0
200-220	1.8	3.1	1.9	.1								7.0	7.1	7.0
230-250	4.8	9.1	7.8	1.7	.2							23.8	8.3	8.0
(W) 260-280	4.1	4.3	1.4	.1	.2							10.1	6.2	5.0
290-310	.8	.3			.1							1.2	5.0	4.0
320-340	.3	.1										.4	3.5	3.0
VARIABLE		.5	.3									.9	9.0	7.5
CALM	////////////////////////////////////											47.1	////////////////////////////////	
TOTALS	18.7	19.7	11.6	1.9	.5							100.0	3.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6											.6	2.8	3.0
020-040	1.4	.6										2.0	3.5	3.0
050-070	3.1	1.5	.1									4.7	4.1	3.5
(E) 080-100	1.3	.1	.1									1.5	3.4	3.0
110-130	.8											.8	1.7	2.0
140-160	.4											.4	2.3	2.0
(S) 170-190	.1	.5	.1									.8	6.7	8.0
200-220	1.9	2.2	2.2	.4								6.7	8.0	8.0
230-250	5.1	10.6	8.6	1.6	.2							26.1	8.3	8.0
(W) 260-280	4.2	2.8	1.3	.4								8.7	5.8	5.0
290-310	1.1	.1										1.2	3.2	3.0
320-340	.3	.1										.4	3.0	2.5
VARIABLE	.1	1.0	.4	.2	.1							1.8	10.1	8.0
CALM	////////////////////////////////////											44.2	////////	
TOTALS	20.4	19.5	12.8	2.6	.3							100.0	3.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.5										1.3	4.2	3.5
020-040	4.4	1.2										5.6	3.3	3.0
050-070	4.1	5.5	.4									10.0	5.2	5.0
(E) 080-100	1.8	1.7	.2									3.8	4.5	5.0
110-130	1.1	.3										1.4	3.0	3.0
140-160	.3											.3	2.3	2.0
(S) 170-190	.6	1.0	.1									1.7	5.4	5.0
200-220	1.9	3.5	2.7	.8	.1							9.0	8.4	7.0
230-250	4.2	9.2	13.1	2.8	.4	.1						29.9	9.5	10.0
(W) 260-280	3.2	4.5	3.2	.5	.2							11.7	7.8	8.0
290-310	1.9	.1	.4									2.5	4.4	3.0
320-340	.9	.1										1.0	3.3	3.0
VARIABLE		1.8	1.2	.1	.2							3.3	10.0	9.0
CAV M	////////////////////											18.5	////////	
TOTALS	25.2	29.4	21.3	4.2	.9	.1						100.0	6.1	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIN SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	.4										3.4	2.9	2.5
020-040	3.9	2.6										6.5	4.0	4.0
050-070	4.0	5.7	.4									10.1	5.0	5.0
(E) 080-100	1.5	1.7	.8									4.0	5.5	5.0
110-130	.3	.1										.4	3.5	3.0
140-160	1.0	.2										1.2	3.0	2.0
(S) 170-190	1.0	1.3										2.3	5.0	5.0
200-220	2.4	4.3	2.3	1.2	.2							10.3	8.3	8.0
230-250	2.0	8.4	13.2	4.6	.9	.1						29.2	10.6	10.0
(W) 260-280	3.1	4.5	5.3	1.1	.4							14.4	9.0	9.0
290-310	2.2	1.2	.3	.2								3.9	5.4	4.0
320-340	1.7	.4										2.2	3.7	3.0
VARIABLE		4.9	2.3	.2	.1							7.5	9.2	8.5
CALM	////////////////////////////////////											4.6	////////	
TOTALS	26.1	35.7	24.6	7.3	1.6	.1						100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.6										3.5	3.7	4.0
020-040	4.0	3.8										7.7	4.1	4.0
050-070	4.9	6.5	.2									11.6	4.9	5.0
(E) 080-100	1.6	1.3	.6									3.5	5.3	5.0
110-130	.2	.1	.1									.4	5.8	5.5
140-160	.1	.4										.5	4.8	5.0
(S) 170-190	1.5	1.7	.2	.1								3.5	5.3	5.0
200-220	3.5	6.2	1.6	.8	.1							12.3	7.0	7.0
230-250	3.0	10.1	9.7	1.9	.6							25.4	9.5	9.0
(W) 260-280	2.4	6.9	4.3	1.9	.4							15.9	9.1	8.0
290-310	2.3	2.0	.4		.1							4.8	5.5	5.0
320-340	.9	.4										1.3	4.0	4.0
VARIABLE		3.0	2.4	.2	.2							5.8	9.7	9.0
CALM	////////////////////////////////////											3.5	////////	
TOTALS	26.3	44.0	19.5	4.9	1.4							100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.5										1.7	3.3	2.0
020-040	3.3	.4										3.8	2.7	2.0
050-070	7.8	2.9	.1									10.9	3.3	3.0
(E) 080-100	2.6	.8	.2									3.5	3.8	3.0
110-130	.3	.1										.4	3.0	2.5
140-160	.8	.2										1.0	3.0	2.0
(S) 170-190	1.4	.6										2.0	3.4	3.0
200-220	4.1	4.0	1.5	.5	.2							10.3	6.9	6.0
230-250	5.6	9.4	5.7	1.3	.8	.1						22.8	8.0	8.0
(W) 260-280	4.8	4.0	1.9	.5	.2	.1						11.6	6.6	5.5
290-310	2.0	.4	.1									2.6	3.3	2.0
320-340	.8	.3										1.1	3.6	3.5
VARIABLE		.5	1.6	.4								2.6	11.1	10.0
CALM	////////////////////////////////////											25.7	////////////////////////////////	
TOTALS	34.7	24.1	11.1	2.7	1.2	.2						100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3											1.3	2.1	2.0
020-040	2.5											2.5	1.7	1.0
050-070	5.6	1.9										7.5	3.4	3.0
(E) 080-100	1.9											1.9	2.2	2.0
110-130	.5	.1										.6	2.5	2.0
140-160	.1											.1	2.0	2.0
(S) 170-190	1.0	.4	.1									1.5	3.9	3.0
200-220	1.4	3.3	1.4	.8	.3							7.2	8.7	8.0
230-250	4.5	8.4	5.9	1.6	.5	.2	.1					21.3	8.8	8.0
(W) 260-280	5.9	3.3	1.2	.3	.2							11.0	5.7	4.0
290-310	.9	.2	.1									1.2	3.9	4.0
320-340		.1										.1	5.0	5.0
VARIABLE		.4	.5	.2								1.2	11.3	10.0
CALM	////////////////////////////////////											42.6	////////	
TOTALS	25.6	18.1	9.2	2.9	1.0	.2	.1					100.0	3.7	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.5										1.7	3.2	3.0
020-040	2.8	1.1										3.9	3.3	3.0
050-070	4.4	3.4	.2									8.0	4.3	4.0
(E) 080-100	1.7	.7	.2									2.7	4.1	3.0
110-130	.5	.1	.0									.6	3.0	2.0
140-160	.4	.1										.5	3.2	3.0
(S) 170-190	.8	.8	.1	.0								1.7	4.8	5.0
200-220	2.3	3.6	1.8	.6	.1							8.5	7.7	7.0
230-250	4.3	9.4	8.8	2.2	.5	.1	.0					25.3	9.0	9.0
(W) 260-280	4.0	4.2	2.6	.6	.2	.0						11.7	7.3	6.0
290-310	1.6	.6	.2	.0	.0							2.4	4.6	4.0
320-340	.6	.2										.8	3.6	3.0
VARIABLE	.0	1.5	1.1	.2	.1							3.0	9.8	9.0
CALM	////////////////////////////////////											29.2	////////////////////////////////	
TOTALS	24.6	26.2	15.0	3.6	.9	.1						100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.5	.1										1.5	2.3	2.0
020-040		3.0	1.5										4.5	3.4	3.0
050-070		4.6	2.3	.3									7.2	4.0	4.0
(E) 080-100		1.9	1.1	.1									3.1	3.7	3.5
110-130		.7	.1										.8	2.7	3.0
140-160		.1											.1	1.0	1.0
(S) 170-190		.3	.1										.3	2.4	2.0
200-220		.8	1.4	1.0	1.1								4.3	9.7	9.0
230-250		5.0	11.3	10.5	1.7	.1							28.5	8.5	9.0
(W) 260-280		3.2	3.0	2.1	.4								8.7	6.8	6.0
290-310		1.4	.1		.1								1.5	2.6	2.0
320-340		.2											.2	2.3	2.0
.....															
VARIABLE															
CALM		////////////////////////////////////											39.2	////	////
TOTALS		22.7	21.0	14.0	3.3	.1							100.0	4.1	6.0

TOTAL NUMBER OF OBSERVATIONS 1489

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM OURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.4										1.3	3.3	3.0
020-040	1.7	.2										1.9	2.4	2.0
050-070	5.1	1.7	.1									6.9	3.3	3.0
(E) 080-100	1.4	.2										1.7	2.5	2.0
110-130	.3											.3	1.7	2.0
140-160	.2											.2	1.5	1.5
(S) 170-190	.4											.4	1.8	2.0
200-220	.6	.6	.2	.2								1.6	6.9	5.5
230-250	5.7	5.9	1.3	.2	.1							13.2	5.7	5.0
(W) 260-280	6.4	1.8	.3									8.6	3.7	3.0
290-310	1.4	.1										1.6	2.4	2.0
320-340	1.6	.1										1.7	2.7	2.0
VARIABLE		.1	.2	.1								.4	11.3	10.0
CALM	////////////////////////////////////											60.2	////////	
TOTALS	25.7	11.1	2.1	.5	.1							100.0	1.7	3.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.3										1.1	3.3	3.0
020-040	1.2	.1										1.3	2.3	2.0
050-070	3.3	1.1	.2									4.7	3.6	3.0
(E) 080-100	2.0	.6										2.6	3.2	2.0
110-130	.4											.4	1.8	2.0
140-160	.3											.3	2.3	2.0
(S) 170-190	.3											.3	1.3	1.0
200-220	.4	.4										.9	5.4	5.0
230-250	4.6	6.4	1.9	.6								13.4	6.5	6.0
(W) 260-280	5.9	2.1	.6	.1								8.7	4.2	3.0
290-310	1.2	.1										1.3	2.7	2.0
320-340	.8	.2										1.0	3.1	3.0
VARIABLE		.1	.2		.2							.6	14.6	11.0
CALM	////////////////////////////////////											63.3	////////////////////////////////	
TOTALS	21.2	11.4	2.9	.7	.2							100.0	1.8	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.4										2.0	3.1	3.0
020-040	1.9	.6										2.4	3.1	3.0
050-070	4.9	3.0	.1									8.0	4.0	4.0
(E) 080-100	3.2	.9	.3									4.4	3.8	3.0
110-130	.7											.7	1.8	2.0
140-160	.3											.3	1.7	2.0
(S) 170-190	.3	.2										.6	3.8	4.0
200-220	.9	1.3	.1									2.3	5.3	6.0
230-250	3.8	7.4	3.6	.6	.1							15.4	7.3	7.0
(W) 260-280	4.6	2.4	1.0		.2							8.2	5.5	4.0
290-310	1.7	.2										1.9	2.4	2.0
320-340	1.0	.1										1.1	2.7	2.5
VARIABLE			.1	.2								.3	14.3	15.0
CALM	////////////////////////////////////											52.2	////////////////////////////////	
TOTALS	24.9	16.5	5.2	.8	.3							100.0	2.5	4.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

TATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.1	.1									4.1	3.7	4.0
020-040	5.7	3.1										8.8	3.7	4.0
050-070	6.1	8.0	.8									14.9	5.0	5.0
(E) 080-100	2.4	3.8	1.3	.1								7.7	6.3	6.0
110-130	.9	.4	.1	.1								1.6	5.7	4.0
140-160	.7											.7	2.2	2.0
(S) 170-190	.4	.7	.2									1.3	5.4	5.0
200-220	1.9	3.0	.8									5.7	5.9	6.0
230-250	4.3	8.3	4.6	1.1								18.3	7.5	7.0
(W) 260-280	3.4	6.0	2.8	.6								12.8	7.2	7.0
290-310	1.9	2.2	.1									4.2	4.8	5.0
320-340	2.7	.6										3.2	3.0	3.0
VARIABLE	.1	2.4	1.0									3.6	8.3	8.0
CALM	////////////////////////////////////											13.2	////////	
TOTALS	33.4	39.6	11.8	1.9								100.0	5.1	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	2.8	.1									8.7	3.7	4.0
020-040	5.4	3.2	.1									8.8	4.2	4.0
050-070	3.8	7.2	1.2									12.2	5.8	5.0
(E) 080-100	1.7	3.3	.9	.2								6.1	6.5	6.0
110-130	1.8	1.0	.2									3.0	4.3	4.0
140-160	.6	.2	.1									.9	4.6	3.0
(S) 170-190	1.1	1.7	.2									3.0	5.4	5.0
200-220	2.3	3.1	1.2									6.7	6.1	6.0
230-250	2.2	6.8	6.1	1.6	.1							16.8	8.9	9.0
(W) 260-280	2.6	6.9	3.1	1.0	.1							13.7	8.0	7.0
290-310	2.2	1.9	.8		.1							5.0	5.8	5.0
320-340	2.3	1.4										3.8	3.7	3.0
VARIABLE		7.3	1.3		.1							8.8	8.2	8.0
CALM	////////////////////											2.7	////////////////	
TOTALS	31.8	46.8	15.3	2.8	.4							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOUS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	2.4	.3									7.7	4.1	4.0
020-040	4.9	4.1										9.0	4.2	4.0
050-070	5.3	7.4	1.8									14.6	5.8	5.0
(E) 080-100	2.2	3.3	.9	.2								6.7	6.3	6.0
110-130	1.0	1.1										2.1	4.8	5.0
140-160	.8	.6										1.3	4.1	4.0
(S) 170-190	1.7	1.4										3.1	4.1	3.5
200-220	2.2	3.4	1.6	.2								7.4	6.7	6.0
230-250	3.0	6.6	5.0	.4								15.0	7.9	8.0
(W) 260-280	3.1	5.9	3.7	1.2	.4							14.3	8.4	8.0
290-310	3.0	2.4	.3	.1								5.9	5.3	4.0
320-340	3.1	1.6	.1									4.8	4.1	3.0
VARIABLE	.1	3.0	1.9	.1								5.1	8.7	8.0
CALM	////////////////////////////////////											3.0	////////	
TOTALS	35.3	43.2	15.6	2.2	.4							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	1.3	.1									5.4	3.4	3.0
020-040	4.8	1.1										5.9	2.9	2.0
050-070	8.7	4.7										13.3	3.8	3.0
(E) 080-100	5.4	1.9	.4									7.8	3.9	3.0
110-130	1.7	.7	.1									2.4	4.2	4.0
140-160	.7	.4										1.1	3.6	3.5
(S) 170-190	1.3	.8										2.1	3.8	4.0
200-220	1.4	2.7	.8									4.9	6.2	6.0
230-250	3.9	6.1	1.4	.3								11.8	6.3	6.0
(W) 260-280	2.7	5.4	1.7	.3								10.1	6.8	6.0
290-310	3.3	1.9		.1								5.3	4.4	4.0
320-340	1.4	1.0	.1	.1								2.7	4.9	4.0
VARIABLE	.1	.6	.1									.8	7.7	8.0
CALM	////////////////////////////////////											26.3	////////	
TOTALS	39.4	28.6	4.7	.8								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4	.1									1.7	4.2	3.0
020-040	1.2	.2	.2									1.7	3.7	2.0
050-070	4.2	1.8	.1									6.1	3.6	3.0
(E) 080-100	2.2	.3	.1									2.7	3.4	3.0
110-130	1.4											1.4	2.2	2.0
140-160	.2	.1										.3	3.0	1.0
(S) 170-190	.7	.6										1.2	3.5	4.0
200-220	1.6	.8	.2	.2								2.8	5.7	4.0
230-250	4.7	5.1	.8	.1								10.7	5.3	5.0
(W) 260-280	5.2	2.8	.6									8.6	4.4	4.0
290-310	2.1	.4										2.6	2.9	2.0
320-340	1.4	.2										1.7	2.7	2.0
VARIABLE		.2	.4									.7	9.5	10.5
CALM	////////////////////////////////////											58.0	////////	
TOTALS	26.0	12.9	2.5	.3								100.0	1.8	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.2	.1									4.0	3.7	3.0
020-040	3.3	1.6	.0									5.0	3.7	3.0
050-070	5.2	4.4	.5									10.1	4.6	4.0
(E) 080-100	2.6	1.8	.5	.1								4.9	5.0	4.0
110-130	1.0	.4	.1	.0								1.5	4.0	4.0
140-160	.5	.2	.0									.7	3.4	2.0
(S) 170-190	.8	.7	.1									1.5	4.3	4.0
200-220	1.4	1.9	.6	.1								4.0	6.1	6.0
230-250	4.0	6.6	3.1	.6	.0							14.3	7.1	6.0
(W) 260-280	4.2	4.2	1.7	.4	.1							10.6	6.4	6.0
290-310	2.1	1.2	.2	.0	.0							3.5	4.4	4.0
320-340	1.8	.7	.0	.0								2.5	3.6	3.0
VARIABLE	.0	1.7	.7	.1	.0							2.5	8.7	8.0
CALM	////////////////////////////////////											34.9	////////////////////////////////	
TOTALS	29.6	26.6	7.6	1.3	.1							100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	3.6	.6									4.2	3.2	3.0
020-040	3.5	.3									3.8	2.3	2.0
050-070	6.3	1.5									7.7	2.8	2.0
(E) 080-100	2.2	.7									2.9	3.5	3.0
110-130	.1										.1	3.0	3.0
140-160	.3										.3	2.0	2.0
(S) 170-190	.4										.4	1.7	2.0
200-220	.9	1.2									2.0	4.6	5.0
230-250	5.0	12.7	3.5	.1							21.3	6.6	7.0
(W) 260-280	5.0	6.1	.7								11.8	5.1	5.0
290-310	2.3	.4									2.8	2.7	2.0
320-340	1.5	.1									1.6	2.8	3.0
VARIABLE													
CALM	////////////////////										41.0	////////	
TOTALS	31.1	23.6	4.2	.1							100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 686													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.2										.6	3.0	3.0
020-040	1.6											1.6	1.9	2.0
050-070	2.2	.9										3.0	3.1	2.0
(E) 080-100	1.8	.2										2.0	2.3	2.0
110-130	.6											.6	2.2	2.0
140-160		.1										.1	7.0	7.0
(S) 170-190	.4	.1										.5	4.0	4.0
200-220	1.6	1.6	.5	.1								3.9	6.2	5.5
230-250	4.7	4.3	.5									9.6	4.8	5.0
(W) 260-280	7.3	3.2	.2									10.8	3.9	3.5
290-310	1.6	.2										1.8	2.5	2.0
320-340	.6											.6	2.0	2.0
VARIABLE		.1	.1									.2	9.5	9.5
CALM	////////////////////////////////////											64.5	////////	
TOTALS	22.8	10.9	1.3	.1								100.0	1.4	4.0

TOTAL NUMBER F OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6											.6	3.0	3.5
020-040	.9	.5										1.4	3.8	4.0
050-070	2.8	.9										3.7	3.3	3.0
(E) 080-100	2.4	.1										2.5	1.9	2.0
110-130	.3											.3	2.7	2.0
140-160	.1											.1	1.0	1.0
(S) 170-190	.6											.6	3.3	4.0
200-220	1.6	1.1	.2									2.9	4.9	4.0
230-250	7.5	5.4	1.0	.2								14.1	5.0	4.0
(W) 260-280	6.1	1.6	.8									8.5	3.9	3.0
290-310	2.2	.1										2.3	2.3	2.0
320-340	1.2	.1										1.3	1.9	2.0
VARIABLE		.1										.1	9.0	9.0
CALM	////////////////////////////////////											61.6	////////	
TOTALS	26.3	9.9	2.0	.2								100.0	1.5	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.3										1.7	2.8	2.5
020-040	2.2	1.0										3.1	3.5	3.0
050-070	5.4	2.4	.4									8.2	4.0	3.0
(E) 080-100	3.0	.8										3.8	3.1	3.0
110-130	1.3	.1										1.4	2.3	2.0
140-160		.1										.1	5.0	5.0
(S) 170-190	.9	.3										1.2	3.4	3.0
200-220	2.4	2.8	.4									5.6	5.3	5.0
230-250	6.1	8.9	1.7									16.8	5.7	5.0
(W) 260-280	4.6	3.8	.9									9.2	4.8	4.5
290-310	1.9											1.9	2.4	2.0
320-340	.9											.9	2.0	2.0
VARIABLE		.2										.2	7.5	7.5
CALM	////////////////////////////////////											45.9	////////////////////////////////	
TOTALS	30.1	20.7	3.4									100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	.9										3.4	3.1	3.0
020-040	4.2	2.0										6.2	3.6	3.0
050-070	6.5	5.2	.5									12.2	4.6	4.0
(E) 080-100	3.9	2.7	1.0	.1								7.6	5.0	.0
110-130	.5	.4	.1									1.1	4.9	4.0
140-160	1.1	.3										1.4	2.8	2.0
(S) 170-190	.8	.8	.1									1.6	4.9	5.0
200-220	3.3	4.3	.6	.3								8.6	6.1	5.0
230-250	5.7	9.9	4.4	.5								20.5	6.8	6.0
(W) 260-280	6.3	4.8	2.3	.5								14.0	6.0	5.0
290-310	3.0	1.5	.1									4.6	3.7	3.0
320-340	1.4	.3										1.7	2.5	2.0
VARIABLE		2.2	1.7	.1								4.0	9.1	9.0
CALM	////////////////////////////////////											13.0	////////	
TOTALS	39.3	35.3	10.8	1.5								100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	.9										4.1	3.0	3.0
020-040	4.5	2.4										6.9	3.9	4.0
050-070	5.4	5.1	.6									11.1	4.9	5.0
(E) 080-100	2.4	3.2	1.0	.1								6.7	6.0	5.0
110-130	.6	.9	.1									1.6	5.4	6.0
140-160	1.1	1.0	.1									2.2	5.0	4.5
(S) 170-190	1.9	1.7	.1									3.8	4.5	4.0
200-220	3.1	5.7	.9	.3								10.0	6.0	6.0
230-250	5.3	9.8	5.4	.4								20.9	7.2	7.0
(W) 260-280	4.5	6.5	2.6	1.0								14.5	6.9	6.0
290-310	3.1	1.5	.5									5.2	4.5	4.0
320-340	1.6	1.2	.1									2.9	4.0	2.0
VARIABLE		3.9	2.8	.4								7.1	9.5	9.0
CALM	////////////////////////////////////											3.2	////////	
TOTALS	36.7	43.8	14.2	2.2								100.0	5.8	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.1										4.5	3.5	3.0
020-040	5.5	1.9										7.4	3.4	3.0
050-070	6.3	4.3	.2	.1								11.0	4.2	4.0
(E) 080-100	2.5	3.1	1.0	.2								6.8	5.7	5.0
110-130	1.4	.9	.3									2.6	4.7	3.5
140-160	1.2	.6										1.8	3.8	4.0
(S) 170-190	2.4	1.1										3.4	3.8	3.5
200-220	5.2	3.5	1.3									10.0	5.2	4.0
230-250	4.9	11.3	4.5	.4								21.2	7.0	7.0
(W) 260-280	3.3	6.8	3.2	.4	.1							13.9	7.4	7.0
290-310	2.3	2.0	.6									4.9	5.1	5.0
320-340	2.2	.5										2.7	3.3	3.0
VARIABLE	.1	4.0	1.5	.3								5.9	8.7	8.0
CALM	////////////////////////////////////											3.9	////////	
TOTALS	40.7	41.1	12.6	1.4	.1							100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	.1										2.9	2.4	2.0
020-040	5.1	.9										5.9	2.7	2.0
050-070	9.8	2.2										11.9	3.0	2.0
(E) 080-100	3.5	1.2	.8									5.5	4.4	3.0
110-130	1.2	.4	.1									1.7	4.4	4.0
140-160	1.5	.1										1.6	2.5	3.0
(S) 170-190	2.3	.5										2.8	3.0	2.0
200-220	3.9	2.7	.2	.1								6.9	4.6	4.0
230-250	7.3	9.8	1.7	.1								18.9	5.3	5.0
(W) 260-280	5.8	5.3	1.4	.1								12.6	5.2	5.0
290-310	1.4	1.5	.1									3.0	4.8	5.0
320-340	1.0	.1										1.1	2.3	1.0
VARIABLE		1.4	.5									1.9	8.5	8.0
CALM	////////////////////////////////////											23.2	////////////////////////////////	
TOTALS	45.6	26.2	4.8	.3								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8											.8	2.0	2.0
020-040	1.3	.1										1.4	2.4	2.0
050-070	4.2	.6	.1									4.9	2.8	2.0
(E) 080-100	1.4		.1									1.5	2.4	2.0
110-130	1.2											1.2	1.7	2.0
140-160	.3											.3	2.3	2.0
(S) 170-190	.8	.3	.1									1.2	3.6	2.0
200-220	2.0	1.4	.3									3.8	4.8	4.0
230-250	5.9	4.1	.2									10.2	4.3	4.0
(W) 260-280	5.7	3.2	.5	.1								9.6	4.4	4.0
290-310	1.3	.1										1.4	2.2	2.0
320-340	.8	.1										.9	2.8	2.0
VARIABLE		.6										.6	7.7	8.0
CALM	////////////////////////////////////											62.3	////////	
TOTALS	25.7	10.5	1.3	.1								100.0	1.4	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.9	.4										2.3	3.0	3.0
020-040	3.1	1.1										4.2	3.3	3.0
050-070	5.3	2.7	.2	.0								8.2	3.9	4.0
(E) 080-100	2.6	1.4	.5	.1								4.5	4.6	4.0
110-130	.9	.3	.1									1.3	3.9	3.0
140-160	.7	.3	.0									1.0	3.6	3.0
(S) 170-190	1.3	.6	.0									1.9	3.9	4.0
200-220	2.9	2.9	.6	.1								6.5	5.5	5.0
230-250	5.9	7.9	2.4	.2								16.5	6.0	6.0
(W) 260-280	5.5	4.4	1.5	.3	.0							11.6	5.5	5.0
290-310	2.1	.9	.2									3.1	3.9	3.0
320-340	1.2	.3	.0									1.5	2.9	2.0
VARIABLE	.0	1.6	.8	.1								2.5	9.0	8.0
CALM	////////////////////////////////////											34.7	////////////////////////////////	
TOTALS	33.4	24.8	6.3	.8								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.0	.2									2.2	2.4	2.0
020-040	4.5	1.7									6.2	3.4	3.0
050-070	6.1	2.8									8.9	3.5	3.0
(E) 080-100	2.0	.5									2.5	2.7	2.0
110-130	.5										.5	2.3	2.0
140-160	.2										.2	2.0	2.0
(S) 170-190													
200-220	2.0	1.9	.8	.8							5.4	7.4	5.0
230-250	6.8	9.3	2.5								18.6	5.8	5.0
(W) 260-280	7.0	3.4	1.4	.3							12.1	4.8	4.0
290-310	2.8	.2									3.0	2.2	2.0
320-340	1.2	.2									1.4	2.0	2.0
VARIABLE													
CALM	////////////////////////////////////										39.1	////////////////////////////////	
TOTALS	35.1	20.2	4.7	1.1							100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 644

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2											.2	2.0	2.0
020-040	.4											.4	2.0	2.0
050-070	1.6	.3										1.9	3.2	2.0
(E) 080-100	1.2											1.2	1.9	2.0
110-130	.7											.7	2.5	2.0
140-160	.2											.2	1.5	1.5
(S) 170-190	.2	.2										.4	5.0	5.0
200-220	1.3	.3	.1									1.8	3.8	2.5
230-250	4.4	5.8	1.4									11.7	5.8	6.0
(W) 260-280	7.0	2.9	.6									10.4	4.0	3.0
290-310	3.1	.9	.1									4.1	3.0	2.0
320-340	1.0											1.0	2.2	2.0
VARIABLE		.3	.1									.4	8.3	8.0
CALM	////////////////////////////////////											65.5	////////////////////////////////	
TOTALS	2.3	10.7	2.3									100.0	1.5	4.0

TOTAL NUMBER OF OBSERVATIONS 901

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.1										.7	3.3	4.0
020-040	.4											.4	2.0	2.0
050-070	1.2	.3										1.6	3.1	3.0
(E) 080-100	.8	.2										1.0	2.7	2.0
110-130	.6											.6	2.0	2.0
140-160	.3											.3	1.7	2.0
(S) 170-190	.3											.3	2.0	1.0
200-220	1.1	.7	.1									1.9	4.4	4.0
230-250	5.9	5.9	.9	.4	.2							13.3	5.7	5.0
(W) 260-280	8.1	3.0	.8									11.9	4.3	3.0
290-310	2.4	.6										3.0	2.8	2.0
320-340	.6	.1										.7	3.0	2.0
VARIABLE		.3	.2									.6	9.0	9.0
CALM	////////////////////////////////////											63.8	////////	
TOTALS	22.3	11.2	2.0	.4	.2							100.0	1.6	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.3										1.2	3.4	3.0
020-040	1.3											1.3	2.0	2.0
050-070	3.4	1.4	.1									5.0	3.6	3.0
(E) 080-100	3.6	1.1										4.7	3.2	2.0
110-130	1.1											1.1	1.4	1.0
140-160														
(S) 170-190														
200-220	1.9	1.9	.3	.1								4.2	5.8	5.0
230-250	8.1	9.9	2.2	.6								20.8	5.8	6.0
(W) 260-280	6.2	7.3	1.8	.1								15.4	5.4	5.0
290-310	2.0	1.1	.1									3.2	3.9	3.0
320-340	.7	.1										.8	2.3	2.0
VARIABLE		.9	.6									1.4	8.6	8.0
CALM	////////////////////////////////////											40.8	////////////////////////////////	
TOTALS	29.2	24.0	5.1	.8								100.0	2.9	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.4										2.8	2.5	2.0
020-040	3.6	.7										4.2	3.4	4.0
050-070	7.1	2.6	.2	.1								10.0	4.1	4.0
(E) 080-100	3.0	2.7	.6									6.2	4.7	5.0
110-130	1.1	.3	.1									1.6	4.0	2.0
140-160	.4	.1										.6	2.2	1.0
(S) 170-190	.7	.3	.1									1.1	4.4	4.0
200-220	2.9	4.7	1.4									9.0	6.1	6.0
230-250	5.2	11.2	5.1	.3								21.9	7.2	7.0
(W) 260-280	4.8	10.1	4.7	.8	.1							20.4	7.4	7.0
290-310	2.1	3.3	.2	.1								5.8	5.5	5.0
320-340	1.8	1.3	.1									3.2	4.5	4.0
VARIABLE	.1	2.9	1.1	.3								4.4	8.6	8.0
CALM	////////////////////											8.8	////////	
TOTALS	35.1	40.6	13.6	1.6	.1							100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.8										3.7	4.4	4.0
020-040	3.6	2.4										6.0	3.9	4.0
050-070	5.2	4.1	.4									9.8	4.6	4.0
(E) 080-100	1.4	2.6	.3									4.3	5.7	6.0
110-130	.6	.4	.2									1.2	5.0	5.0
140-160	1.1	.6										1.7	3.7	3.0
(S) 170-190	.9	1.0										1.9	4.5	5.0
200-220	2.2	2.3	2.6	.1								7.2	7.2	8.0
230-250	3.8	12.6	6.3	1.3								24.0	8.0	8.0
(W) 260-280	3.6	9.2	5.7	1.4	.1							20.0	8.3	8.0
290-310	2.2	4.0	1.2	.1								7.6	6.9	7.0
320-340	1.2	1.9										3.1	4.9	5.0
VARIABLE	.1	4.4	2.8	.1								7.4	9.0	8.0
CALM	////////////////////////////////////											2.1	////	////
TOTALS	27.8	47.3	19.5	3.0	.1							100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.7										3.9	4.1	4.0
020-040	3.4	2.3										5.8	3.8	4.0
050-070	5.0	3.7	.4									9.1	5.0	4.0
(E) 080-100	1.3	2.0	.3									3.7	5.1	5.0
110-130	1.0	.6	.2									1.8	4.6	3.0
140-160	.9	.6										1.4	4.3	3.0
(S) 170-190	1.6	.7										2.2	3.3	3.0
200-220	2.8	4.3	1.7									8.8	6.3	6.0
230-250	3.3	10.1	6.1	1.0								20.6	8.0	8.0
(W) 260-280	3.2	10.1	7.3	1.3	.1							22.1	8.4	8.0
290-310	1.8	4.0	1.8	.2								7.8	6.9	6.5
320-340	1.6	1.7	.2									3.4	4.9	5.0
VARIABLE	.1	2.9	2.3	.1								5.4	8.9	8.0
CALM	////////////////////////////////////											4.0	////////	
TOTALS	28.2	44.7	20.3	2.6	.1							100.0	6.5	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.7										3.3	3.1	3.0
020-040	4.9	.4										5.3	2.8	2.5
050-070	6.3	3.1	.2									9.7	3.7	4.0
(E) 080-100	1.1	1.2	.1									2.4	4.9	5.0
110-130	.8	.3	.1									1.2	4.1	3.0
140-160	.9											.9	2.9	3.5
(S) 170-190	1.4	.4										1.9	3.1	2.0
200-220	3.4	3.8	.6									7.8	5.3	5.0
230-250	7.3	8.6	2.4	.1								18.4	5.8	5.0
(W) 260-280	7.1	10.3	4.0	.2								21.7	6.3	6.0
290-310	2.9	2.8	.6									6.2	5.0	5.0
320-340	2.2	1.0										3.2	3.8	4.0
VARIABLE		1.1	.3									1.4	8.5	8.0
CALM	////////////////////////////////////											16.4	////////	
TOTALS	41.0	33.7	8.3	.3								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7											.7	1.7	2.0
020-040	1.7	.1										1.8	2.6	2.5
050-070	1.7	.7										2.3	3.2	2.0
(E) 080-100	1.3											1.3	2.1	2.0
110-130	.1											.1	2.0	2.0
140-160	.1	.1										.2	3.0	3.0
(S) 170-190	1.0	.2										1.2	2.7	2.0
200-220	1.6	.9	.4									2.9	5.3	3.5
230-250	7.3	5.1	1.3	.2								14.0	5.0	4.0
(W) 260-280	7.1	3.0	.7	.1								10.9	4.3	3.0
290-310	3.4	.4										3.9	2.6	2.0
320-340	1.1	.6	.1									1.8	4.1	3.0
VARIABLE		.3										.3	7.3	7.0
CALM	////////////////////////////////////											58.5	////////	
TOTALS	27.1	11.4	2.5	.3								100.0	1.7	3.0
TOTAL NUMBER OF OBSERVATIONS 899														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.6										2.1	3.5	3.0
020-040	2.4	.8										3.2	3.3	3.0
050-070	3.9	2.0	.2	.0								6.2	4.1	4.0
(E) 080-100	1.7	1.2	.2									3.1	4.3	4.0
110-130	.7	.2	.1									1.0	3.6	2.0
140-160	.5	.2										.7	3.3	3.0
(S) 170-190	.8	.4	.0									1.1	3.6	3.0
200-220	2.2	2.4	.9	.0								5.4	5.9	6.0
230-250	5.7	8.6	3.2	.5	.0							18.1	6.6	6.0
(W) 260-280	5.9	7.0	3.2	.5	.0							16.6	6.5	6.0
290-310	2.5	2.1	.5	.1								5.2	5.1	5.0
320-340	1.3	.8	.1									2.2	4.2	4.0
VARIABLE	.0	1.7	.9	.1								2.7	8.8	8.0
CALM	////////////////////////////////////											32.5	////////	
TOTALS	29.0	28.0	9.3	1.2								100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040	2.6	.2										2.8	3.3	3.0
050-070	3.6	1.3										4.9	3.0	3.0
(E) 080-100	3.6	.4										4.1	2.2	2.0
110-130	1.3											1.3	2.5	2.0
140-160	.4											.4	1.5	1.5
(S) 170-190														
200-220	2.4	1.9	.6									4.9	6.0	5.0
230-250	6.6	11.6	3.0									21.2	5.9	6.0
(W) 260-280	4.9	5.1	.9	.2								11.1	5.3	5.0
290-310	1.1	.2										1.3	2.2	1.0
320-340	.4	.2										.6	3.3	2.0
VARIABLE														
CALM	////////////////////											47.3	////////	
TOTALS	26.9	20.9	4.5	.2								100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 467

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.1										.6	2.2	2.0
020-040	.6											.6	2.3	2.5
050-070	1.6											1.6	2.3	2.0
(E) 080-100	1.0											1.0	1.7	2.0
110-130	.6											.6	1.7	1.5
140-160	.3											.3	1.7	2.0
(S) 170-190	.5	.5										1.1	4.4	4.5
200-220	1.1	.8	.4									2.3	5.2	5.0
230-250	4.2	4.3	1.3									9.8	5.5	5.0
(W) 260-280	5.3	4.1	.6									10.0	4.7	4.0
290-310	2.3	.3										2.6	3.0	2.0
320-340	.4	.1										.5	2.6	2.0
VARIABLE														
CALM	////////////////////											68.9	////////	
TOTALS	18.4	10.2	2.3									100.0	1.4	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5											.5	2.2	2.0
020-040	.4											.4	3.3	3.5
050-070	1.0	.2										1.2	2.5	2.0
(E) 080-100	2.5											2.5	2.2	2.0
110-130	.5											.5	1.4	1.0
140-160	.4	.2										.6	4.2	3.5
(S) 170-190	.2	.4	.1									.8	6.0	6.0
200-220	.5	1.2	.1									1.8	5.7	6.0
230-250	4.4	5.6	1.0	.1								11.1	5.6	6.0
(W) 260-280	4.7	4.4	.4									9.6	4.6	5.0
290-310	2.3	.3	.1									2.7	3.2	2.0
320-340	.5											.5	1.8	2.0
VARIABLE		.1										.1	8.0	8.0
CALM	////////////////////////////////////											67.6	////////	
TOTALS	17.9	12.4	1.7	.1								100.0	1.5	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.3										1.1	3.2	3.0
020-040	2.0	.1										2.2	2.5	2.0
050-070	3.8	.9										4.6	3.3	3.0
(E) 080-100	3.8	.4										4.2	2.6	2.0
110-130	1.2	.2										1.4	2.6	2.0
140-160	.3	.1										.4	2.8	2.5
(S) 170-190	.2	.6	.1									1.0	6.6	7.0
200-220	1.1	3.1	.6									4.8	6.5	7.0
230-250	3.7	7.2	2.2									13.0	6.3	6.0
(W) 260-280	6.5	6.7	1.4									14.5	5.4	5.0
290-310	2.4	.5										2.9	3.1	3.0
320-340	.3	.1										.4	3.3	2.5
VARIABLE		.3	.2									.5	8.8	8.0
CALM	////////////////////////////////////											48.9	////////////////////////////////	
TOTALS	26.1	20.5	4.5									100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	.9										4.2	3.2	3.0
020-040	4.2	1.7										5.9	3.3	3.0
050-070	6.2	5.2	.2									11.6	4.2	4.0
(E) 080-100	3.9	3.7	.5									8.1	5.0	5.0
110-130	2.4	.5	.2									3.1	3.6	2.0
140-160	1.0	.2										1.2	3.3	3.0
(S) 170-190	1.2	.9										2.0	4.4	4.0
200-220	1.8	3.0	1.7									6.6	6.9	7.0
230-250	3.3	10.8	6.5	.2								20.8	7.6	8.0
(W) 260-280	4.8	7.0	4.5	.3								16.7	6.9	7.0
290-310	2.9	2.0	.1									5.1	4.4	4.0
320-340	1.8	.1										1.9	3.2	3.0
VARIABLE	.1	2.0	.9									3.0	8.4	8.0
CALM	////////////////////////////////////											9.9	////////	
TOTALS	36.9	38.0	14.6	.5								100.0	5.2	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	.8										4.4	3.4	3.0
020-040	4.6	2.5										7.1	3.8	4.0
050-070	4.2	4.4	.2									8.8	5.0	5.0
(E) 080-100	2.3	3.1	1.0									6.3	5.7	5.0
110-130	1.3	1.9	.4									3.7	5.6	6.0
140-160	1.3	1.2										2.5	3.9	4.0
(S) 170-190	1.1	1.2	.2									2.5	5.3	5.0
200-220	1.4	2.5	1.7	.4								6.0	7.8	8.0
230-250	4.0	9.9	7.1	.9	.1							21.9	8.1	8.0
(W) 260-80	4.3	6.9	6.3	.4	.2							18.2	7.8	8.0
290-310	3.4	3.0	1.0	.1								7.5	5.8	5.0
320-340	2.2	1.5										3.7	4.3	4.0
VARIABLE	.1	3.3	1.4									4.8	8.5	8.0
CALM	////////////////////											2.6	////////////////	
TOTALS	33.9	42.2	19.3	1.8	.3							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	1.3										5.2	3.6	3.0
020-040	5.2	1.9										7.1	3.8	4.0
050-070	4.7	4.5										9.2	4.5	4.0
(E) 080-100	2.3	3.1	.1									5.5	5.0	5.0
110-130	.9	1.8										2.7	5.2	6.0
140-160	1.2	.8	.3									2.3	5.3	4.0
(S) 170-190	1.4	1.4										2.8	4.6	4.5
200-220	2.2	3.8	1.2	.1								7.2	6.4	6.0
230-250	2.8	9.5	5.9	.2								18.4	7.7	8.0
(W) 260-280	3.3	8.9	6.3	.8								19.4	8.1	8.0
290-310	2.8	4.0	1.1	.1								8.0	6.0	6.0
320-340	3.0	1.6	.1									4.7	4.1	4.0
VARIABLE		3.0	1.4	.1								4.5	9.0	8.0
CALM	////////////////////////////////////											3.1	////////	
TOTALS	33.7	45.6	16.4	1.3								100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	.3										3.3	3.2	3.0
020-040	7.4	1.9										9.4	3.1	3.0
050-070	7.3	3.3	.1									10.8	3.8	4.0
(E) 080-100	1.9	2.3										4.2	4.7	5.0
110-130	1.8	1.3										3.1	3.9	4.0
140-160	1.2	.8	.1									2.0	4.1	4.0
(S) 170-190	1.6	.5	.1	.1								2.4	3.9	3.0
200-220	2.6	1.7	1.0									5.3	5.4	5.0
230-250	5.7	8.1	3.1	.1								17.0	6.3	6.0
(W) 260-280	4.8	10.4	2.8	.1								18.2	6.6	7.0
290-310	3.0	2.8	.3									6.1	4.7	5.0
320-340	1.5	.9										2.4	4.0	4.0
VARIABLE		.8	.4									1.2	9.5	9.0
CALM	////////////////////////////////////											14.7	////////////////////////////////	
TOTALS	41.8	35.1	7.9	.3								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.1										.9	2.6	2.0
020-040	2.8	.1										2.9	2.4	2.0
050-070	4.1	.4										4.5	2.4	2.0
(E) 080-100	2.8	.1										2.9	2.1	2.0
110-130	.9	.1										1.0	2.9	2.0
140-160	.2											.2	2.5	2.5
(S) 170-190	.9	.3	.1									1.3	4.2	2.5
200-220	1.2	1.1	.3		.1							2.7	6.4	5.0
230-250	4.0	4.7	1.4	.1								10.2	5.8	6.0
(W) 260-280	6.2	4.8	.2									11.3	4.2	4.0
290-310	2.2	.5	.1		.1							2.9	4.1	3.0
320-340	.8	.1										.9	3.3	2.5
VARIABLE		.2		.1								.3	9.7	7.0
CALM	////////////////////////////////////											58.1	////////////////////////////////	
TOTALS	26.9	12.5	2.1	.2	.2							100.0	1.8	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	.5										2.5	3.3	3.0
020-040	3.4	1.0										4.4	3.3	3.0
050-070	4.1	2.4	.1									6.5	4.0	4.0
(E) 080-100	2.5	1.6	.2									4.3	4.3	4.0
110-130	1.2	.7	.1									2.0	4.1	3.5
140-160	.7	.4	.1									1.2	4.1	4.0
(S) 170-190	.9	.7	.1	.0								1.7	4.7	4.0
200-220	1.5	2.1	.9	.1	.0							4.6	6.5	6.0
230-250	4.0	7.5	3.5	.2	.0							15.3	6.9	7.0
(W) 260-280	5.0	6.7	2.8	.2	.0							14.7	6.3	6.0
290-310	2.6	1.7	.3	.0	.0							4.7	4.8	4.0
320-340	1.3	.6	.0									1.9	3.8	4.0
VARIABLE	.0	1.2	.5	.0								1.8	8.8	8.0
CALM	////////////////////////////////////											34.2	////////////////////////////////	
TOTALS	29.3	27.1	8.6	.5								100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.2										1.3	3.0	2.5
020-040	.2											.2	1.0	1.0
050-070	1.8	1.8										3.6	4.4	4.5
(E) 080-100	2.5	.4										2.9	3.5	4.0
110-130	.7											.7	2.3	2.0
140-160														
(S) 170-190		.4	.7									1.1	9.4	10.0
200-220	.9	3.4	2.7									7.0	8.3	8.0
230-250	2.7	10.3	9.4	.2								22.6	8.5	9.0
(W) 260-280	6.3	3.6	1.8									11.7	5.3	4.0
290-310	2.7											2.7	2.3	2.0
320-340	1.1											1.1	2.8	3.0
VARIABLE														
CALM	////////////////////											45.1	////////	
TOTALS	20.0	20.1	14.6	.2								100.0	3.6	7.0

TOTAL NUMBER OF OBSERVATIONS 446

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.2											.2	1.5	1.5
020-040	.4	.1										.5	4.0	4.0
050-070	.6	.1										.8	3.0	2.0
(E) 080-100	1.0											1.0	1.8	2.0
110-130	.1											.1	2.0	2.0
140-160	.2	.1										.3	3.3	3.0
(S) 170-190	.2	.1										.3	4.3	4.0
200-220	.6	1.1	.4									2.2	6.5	7.0
230-250	6.0	2.3	.3	.2								8.8	4.4	3.0
(W) 260-280	7.8	2.0	.2	.1								10.2	3.4	2.0
290-310	2.5		.1									2.6	2.4	2.0
320-340	.5											.5	2.8	3.0
VARIABLE														
CALM	////////////////////////////////////											72.5	////////////////////////////////	
TOTALS	20.1	5.8	1.0	.3								100.0	1.0	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5											.5	1.6	2.0
020-040	.3	.1										.4	3.5	3.5
050-070	.6											.6	2.3	2.0
(E) 080-100	.4											.4	2.3	2.0
110-130	.1											.1	2.0	2.0
140-160		.1										.1	5.0	5.0
(S) 170-190	.4	.2										.6	4.3	3.5
200-220	.2	1.1	1.0									2.3	8.1	8.0
230-250	4.0	3.1	.3	.3								7.7	5.2	4.0
(W) 260-280	6.3	1.6	.4									8.4	3.7	3.0
290-310	1.9	.2										2.2	2.4	2.0
320-340	.5	.2										.8	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////											75.8	////////////////////////////////	
TOTALS	15.2	6.6	1.7	.3								100.0	1.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.3	2.5
020-040	.3											.3	3.0	3.0
050-070	1.7	.1										1.8	2.7	2.0
(E) 080-100	3.5											3.5	2.2	2.0
110-130	1.2	.2										1.4	2.7	2.0
140-160														
(S) 170-190	.1											.1	1.0	1.0
200-220	1.9	.8	.2									2.9	4.4	4.0
230-250	3.8	6.1	1.2	.1								11.2	5.7	5.0
(W) 260-280	7.4	3.8	.9	.2								12.3	4.8	4.0
290-310	2.4											2.4	2.0	2.0
320-340	.5											.5	2.6	2.0
VARIABLE		.1										.1	7.0	7.0
CALM	////////////////////////////////////											63.0	////////////////////////////////	
TOTALS	23.2	11.1	2.3	.3								100.0	1.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.8										2.0	3.6	4.0
020-040	5.3	.8	.1									6.1	3.0	2.0
050-070	6.6	2.5	.1									9.1	3.9	4.0
(E) 080-100	3.9	2.8	.1	.1								6.9	4.4	4.0
110-130	1.6	.6	.2									2.5	4.5	4.0
140-160	.4											.4	2.0	1.5
(S) 170-190	.5	.2										.8	3.4	4.0
200-220	1.3	1.7	.5									3.5	5.7	5.0
230-250	5.6	10.8	3.7	.4								20.4	6.7	7.0
(W) 260-280	8.2	9.7	2.6	.2								20.6	5.8	5.0
290-310	2.3	.9	.3									3.4	4.5	4.0
320-340	1.1	.3										1.4	3.2	2.0
VARIABLE		1.7	.8	.4								2.9	9.7	9.0
CALM	////////////////////////////////////											19.8	////////////////////////////////	
TOTALS	38.1	32.8	8.4	1.1								100.0	4.3	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.5	.6										3.1	3.3	3.0
020-040	4.7	.9										5.6	3.1	3.0
050-070	3.9	2.7	.4									7.0	4.7	4.0
(E) 080-100	2.2	2.0	.8									4.9	6.0	5.5
110-130	2.4	1.4	.2									4.0	4.6	4.0
140-160	1.6	.5	.2									2.4	4.1	3.0
(S) 170-190	1.4	.5										1.9	3.9	4.0
200-220	3.9	3.8	.3	.1								8.1	5.3	5.0
230-250	5.4	10.5	4.3	.5								20.8	6.9	6.0
(W) 260-280	5.6	11.1	6.0	.9								23.5	7.4	7.0
290-310	2.7	2.4	.2									5.3	4.7	4.0
320-340	2.5	.4										2.9	3.1	3.0
VARIABLE		3.9	2.2	.3								6.3	9.3	9.0
CALM	////////////////////////////////////											4.2	////////	
TOTALS	38.8	40.7	14.6	1.8								100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	1.1										5.5	3.4	3.0
020-040	4.7	1.5										6.2	3.7	4.0
050-070	2.8	2.5	.5									5.8	4.8	5.0
(E) 080-100	1.9	2.7	.1	.2								4.9	5.4	5.0
110-130	1.6	1.4	.1									3.1	4.7	4.0
140-160	1.3	.2										1.5	3.0	3.0
(S) 170-190	2.2	.6	.1									2.9	3.6	3.0
200-220	3.1	3.9	.4	.1								7.5	5.3	5.0
230-250	4.4	11.9	4.7	.5								21.6	7.1	7.0
(W) 260-280	6.2	11.1	5.3	.2								22.8	6.7	6.0
290-310	4.2	2.2	.6	.1								7.1	4.6	4.0
320-340	1.5	.6										2.2	3.7	4.0
VARIABLE		3.0	1.9									4.9	8.9	8.0
CALM	////////////////////////////////////											3.9	////////////////////////////////	
TOTALS	38.3	42.7	13.7	1.1								100.0	5.6	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.3										1.7	2.9	2.0
020-040	4.7	.4										5.2	2.6	2.0
050-070	5.4	1.2										6.6	3.0	3.0
(E) 080-100	2.4	.8										3.1	3.3	2.0
110-130	1.9	1.0										2.9	3.7	3.0
140-160	.8	.1										.9	1.9	1.5
(S) 170-190	1.6	.5										2.2	3.3	3.0
200-220	4.4	1.6	.5									6.6	4.2	3.0
230-250	7.7	6.2	1.4	.1								15.5	5.1	4.5
(W) 260-280	7.4	7.6	1.6									16.7	5.2	5.0
290-310	3.2	1.5	.2									4.9	3.9	2.5
320-340	1.7	.2										1.9	3.0	2.0
VARIABLE		.9	.1									1.0	8.0	7.0
CALM	////////////////////////////////////											31.0	////////////////////////////////	
TOTALS	42.6	22.3	3.8	.1								100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0											1.0	2.7	2.0
020-040	.6	.3										1.0	3.8	2.0
050-070	2.6											2.6	2.3	2.0
(E) 080-100	1.1											1.1	1.9	1.5
110-130	.5											.5	2.4	2.0
140-160	.2											.2	2.5	2.5
(S) 170-190	.6	.1										.8	2.7	3.0
200-220	1.3	1.1	.3									2.7	5.2	5.0
230-250	4.6	2.7	.2									7.5	4.1	4.0
(W) 260-280	9.2	1.5	.3	.1								11.2	3.5	3.0
290-310	1.8	.6										2.5	3.3	3.0
320-340	.5											.5	2.8	3.0
VARIABLE		.1										.1	8.0	8.0
CALM	////////////////////////////////////											68.4	////////	
TOTALS	24.0	6.4	.8	.1								100.0	1.1	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.3										1.8	3.2	3.0
020-040	2.6	.5	.0									3.2	3.2	3.0
050-070	3.0	1.1	.1									4.3	3.8	4.0
(E) 080-100	2.0	1.0	.1	.0								3.2	4.2	4.0
110-130	1.2	.6	.1									1.8	4.1	4.0
140-160	.6	.1	.0									.7	3.2	2.0
(S) 170-190	.9	.3	.0									1.2	3.6	3.0
200-220	2.1	1.9	.5	.0								4.5	5.3	5.0
230-250	5.2	6.7	2.0	.3								14.2	6.0	6.0
(W) 260-280	7.3	6.0	2.2	.2								15.7	5.6	5.0
290-310	2.6	1.0	.2	.0								3.8	3.8	3.0
320-340	1.1	.2										1.3	3.2	3.0
VARIABLE		1.2	.6	.1								1.9	9.1	8.0
CALM	////////////////////////////////////											42.3	////////	
TOTALS	30.1	20.9	5.8	.6								100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.0	.2									1.2	2.6	3.0
020-040	1.3	.2									1.5	2.2	2.0
050-070	2.8	.5									3.3	3.0	2.5
(E) 080-100	2.0										2.0	2.7	2.5
110-130	.5										.5	2.0	2.0
140-160													
(S) 170-190	.3										.3	3.5	3.5
200-220	2.2	.8	.2								3.2	3.9	3.0
230-250	3.3	5.5	.3	.2							9.3	5.4	5.0
(W) 260-280	6.6	3.5	.5								10.6	4.5	3.5
290-310	2.0	.2	.2								2.3	2.8	2.0
320-340	.7										.7	2.3	2.0
VARIABLE													
CALM	////////////////////										65.1	////////	
TOTALS	22.7	10.9	1.2	.2							100.0	1.4	3.0
TOTAL NUMBER OF OBSERVATIONS 602													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.1										.4	3.8	3.0
020-040	.1											.1	1.0	1.0
050-070	1.3	.2										1.6	2.7	2.0
(E) 080-100	.6											.6	1.8	2.0
110-130														
140-160	.1											.1	2.0	2.0
(S) 170-190	.1	.4										.6	6.4	8.0
200-220	1.1	1.7	.4									3.2	6.1	5.0
230-250	4.9	6.7	2.7	.3								14.6	6.6	6.0
(W) 260-280	2.4	3.1	1.6									7.1	6.2	6.0
290-310	1.1	.1										1.2	2.5	2.0
320-340	.3	.1										.4	3.8	2.5
VARIABLE		.1	.1									.2	9.0	9.0
CALM	////////////////////////////////////											69.9	////////////////////////////////	
TOTALS	12.3	12.5	4.8	.3								100.0	1.8	5.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.1										.3	2.7	2.0
020-040	1.0											1.0	2.1	2.0
050-070	1.1	.2										1.3	2.8	2.0
(E) 080-100	.8	.2										1.0	3.1	2.0
110-130	.1											.1	1.0	1.0
140-160														
(S) 170-190	.2	.2										.4	5.0	4.5
200-220	1.8	1.7	.6									4.0	5.6	5.0
230-250	3.3	5.2	3.2	.2								12.0	7.0	7.0
(W) 260-280	5.2	3.9	1.3	.2								10.7	5.3	5.0
290-310	1.1											1.1	2.2	2.0
320-340	.8	.1										.9	2.4	2.0
VARIABLE														
CALM	////////////////////////////////////											67.1	////////////////////////////////	
TOTALS	15.6	11.6	5.1	.4								100.0	1.8	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.0	2.0
020-040	.6	.2										.8	3.0	4.0
050-070	3.1	.2										3.3	2.6	2.0
(E) 080-100	1.4	.3										1.8	3.4	3.5
110-130	.6											.6	1.6	2.0
140-160	.2											.2	2.0	2.0
(S) 170-190	.1											.1	1.0	1.0
200-220	1.0	1.9	1.0									3.9	6.9	8.0
230-250	4.1	6.6	4.4	.1								15.2	7.1	7.0
(W) 260-280	5.2	3.0	1.7	.2	.1							10.2	5.8	4.0
290-310	1.2	.4										1.7	3.6	3.0
320-340	.1											.1	1.0	1.0
VARIABLE		.2										.2	11.0	11.0
CALM	////////////////////////////////////											61.4	////////	
TOTALS	18.0	12.6	7.3	.3	.1							100.0	2.2	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.2										1.2	2.6	2.0
020-040	4.1	.9										5.0	3.2	3.0
050-070	4.3	2.3	.1									6.8	4.0	4.0
(E) 080-100	4.1	2.3										6.4	3.8	3.0
110-130	1.0											1.0	2.0	2.0
140-160	.6	.1										.7	2.3	2.0
(S) 170-190	.8	.1	.1									1.0	4.2	4.0
200-220	1.3	3.0	1.1									5.4	6.8	7.0
230-250	4.4	9.6	7.3	1.2	.1							22.7	8.1	8.0
(W) 260-280	7.9	8.4	3.4	.6	.1							20.4	6.2	6.0
290-310	1.4	.6	.2									2.2	4.4	3.0
320-340	.4	.2										.7	4.2	3.5
VARIABLE		1.0	.4									1.4	8.5	8.0
CALM	////////////////////////////////////											25.0	////////////////////////////////	
TOTALS	31.3	28.7	12.6	1.8	.2							100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.7										2.2	3.4	3.0
020-040	4.0	1.3	.1									5.4	3.8	3.0
050-070	4.9	3.2	.2									8.3	4.3	4.0
(E) 080-100	2.9	2.1	.7									5.7	5.2	4.0
110-130	1.0	.9										1.9	4.5	4.0
140-160	1.1	.4										1.6	3.4	3.0
(S) 170-190	1.4	.8										2.2	4.1	4.0
200-220	3.1	4.7	1.7	.1								9.6	6.2	6.0
230-250	6.0	10.2	9.6	1.7	.3							27.8	8.4	8.0
(W) 260-280	5.1	7.3	8.1	1.0	.1							21.7	8.0	8.0
290-310	2.4	1.4	.6									4.4	4.5	4.0
320-340	1.2	.8										2.0	4.1	4.0
VARIABLE		2.0	.4									2.4	8.3	8.0
CALM	////////////////////////////////////											4.8	////////	
TOTALS	34.7	35.8	21.4	2.8	.4							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	.4										3.2	2.7	3.0
020-040	3.7	1.3										5.0	3.2	3.0
050-070	5.4	3.3	.2									9.0	4.2	4.0
(E) 080-100	2.8	1.3	.1									4.2	4.1	4.0
110-130	1.3	1.3										2.7	4.0	4.5
140-160	1.3	.4										1.8	3.2	2.5
(S) 170-190	2.3	.9										3.2	3.5	3.0
200-220	3.8	4.7	1.4									9.9	5.8	6.0
230-250	6.2	11.7	5.8	1.0	.1							24.8	7.2	7.0
(W) 260-280	4.6	10.1	7.7	1.1								23.4	8.2	8.0
290-310	1.8	2.1	.3	.1								4.3	5.6	5.0
320-340	1.7	.2										1.9	2.9	2.0
VARIABLE		1.6	.6									2.1	8.3	8.0
CALM	////////////////////////////////////											4.4	////////////////////////////////	
TOTALS	37.7	39.3	16.1	2.2	.1							100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.1										1.2	2.5	2.0
020-040	2.1	.2										2.3	2.3	2.0
050-070	4.7	.7										5.3	2.9	2.5
(E) 080-100	2.4											2.4	2.6	2.0
110-130	.9	.1										1.0	3.2	3.0
140-160	.3											.3	1.3	1.0
(S) 170-190	1.3	.3										1.7	2.8	2.0
200-220	3.9	2.3	.7									6.9	4.7	4.0
230-250	6.3	7.2	2.3	.2	.1							16.2	6.2	6.0
(W) 260-280	5.2	5.3	2.4	.2								13.2	6.1	5.0
290-310	2.8	.8	.1									3.7	3.2	2.0
320-340	.7	.1										.8	2.4	2.0
VARIABLE		.1										.1	7.0	7.0
CALM	////////////////////////////////////											44.8	////////////////////////////////	
TOTALS	31.7	17.2	5.5	.4	.1							100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.2										.6	3.2	3.0
020-040	.9											.9	2.4	2.5
050-070	1.8	.1										1.9	2.5	2.0
(E) 080-100	1.2	.2										1.4	2.8	3.0
110-130	.3											.3	1.3	1.0
140-160	.2											.2	3.0	3.0
(S) 170-190	.1	.3										.4	5.8	5.5
200-220	1.4	1.8		.2								3.4	5.7	5.0
230-250	4.3	6.0	2.2	.2								12.8	6.6	6.0
(W) 260-280	4.8	3.6	2.4	.1								10.9	6.0	5.5
290-310	1.7											1.7	1.9	2.0
320-340	.6											.6	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											64.9	////////////////////////////////	
TOTALS	17.6	12.2	4.6	.5								100.0	1.9	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.0	.2										1.2	2.9	2.0
020-040		2.1	.5	.0									2.6	3.1	3.0
050-070		3.3	1.3	.1									4.7	3.7	3.0
(E) 080-100		2.0	.8	.1									2.9	3.9	4.0
110-130		.7	.3										.9	3.4	3.0
140-160		.5	.1										.6	2.9	2.0
(S) 170-190		.8	.4	.0									1.2	3.9	4.0
200-220		2.2	2.7	.9	.0								5.8	5.9	6.0
230-250		5.0	7.9	4.7	.6	.1							18.2	7.3	7.0
(W) 260-280		5.1	5.6	3.6	.4	.0							14.7	6.8	7.0
290-310		1.7	.7	.2	.0								2.5	4.0	3.0
320-340		.7	.2										.9	3.2	3.0
VARIABLE			.6	.2									.8	8.4	8.0
CALM		////////////////////////////////////										42.8	////////////////////////////////		
TOTALS		25.1	21.3	9.8	1.0	.1							100.0	3.4	5.0
TOTAL NUMBER OF OBSERVATIONS 7200															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	.5	.1										.6	3.0	3.0
020-040	2.2											2.2	2.2	2.0
050-070	7.1	1.1										8.2	2.9	3.0
(E) 080-100	3.4	.8										4.2	3.2	3.0
110-130	.4											.4	1.3	1.0
140-160	.3	.1										.4	3.3	4.0
(S) 170-190	.4	.1										.5	3.5	4.0
200-220	1.0	.8	.1	.1								2.0	5.4	4.5
230-250	4.2	2.3	1.5	.4	.1							8.5	6.1	5.0
(W) 260-280	5.2	1.6	1.3	.3								8.4	5.1	4.0
290-310	.9	.4										1.3	3.6	2.5
320-340	.8	.1										.9	2.7	2.0
VARIABLE														
CALM	////////////////////////////////////											62.5	////////////////////////////////	
TOTALS	26.4	7.4	2.9	.8	.1							100.0	1.6	3.0

TOTAL NUMBER OF OBSERVATIONS 789

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	1.5	1.5
020-040	2.7	.6										3.3	3.2	3.0
050-070	5.4	.6										6.0	2.8	3.0
(E) 080-100	1.5	.5										2.0	4.1	4.0
110-130	.8	.2	.1									1.1	3.5	2.0
140-160	.1		.1									.2	7.5	7.5
(S) 170-190	.5	.5	.1									1.2	5.5	6.0
200-220	1.5	1.4	1.3	.2								4.4	7.7	8.0
230-250	3.4	6.1	4.2	1.2								14.9	8.2	8.0
(W) 260-280	2.8	3.0	1.7	.1								7.6	6.4	6.0
290-310	1.6											1.6	1.9	2.0
320-340	1.1											1.1	1.8	1.5
VARIABLE		.3	.4									.8	9.3	10.0
CALM	////////////////////////////////////											55.3	////////	
TOTALS	21.8	13.2	7.9	1.5								100.0	2.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: JUN 78 - MAY 88

LST TO UTC: - 1

MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.1										.9	2.9	3.0
020-040	2.2	.2										2.4	2.6	2.0
050-070	4.7	1.1										5.8	3.2	3.0
(E) 080-100	1.3	.2										1.5	3.4	3.0
110-130	.5											.5	2.2	2.0
140-160			.2									.2	13.5	13.5
(S) 170-190	.5	.5		.1								1.2	5.5	5.0
200-220	1.0	1.5	1.0	.4								3.9	7.7	7.0
230-250	4.3	6.2	4.8	.9	.1							16.3	7.9	7.0
(W) 260-280	3.3	4.1	1.6	.2								9.2	6.2	6.0
290-310	1.0	.2	.1									1.3	3.9	2.5
320-340	.5											.5	1.6	1.0
VARIABLE		.2	.3									.5	10.8	10.0
CALM	////////////////////////////////////											55.7	////////////////////////////////	
TOTALS	20.1	14.3	8.0	1.6	.1							100.0	2.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.3	.1										.4	3.0	2.5
020-040	2.6	.5										3.1	2.8	3.0
050-070	5.7	.9										6.6	3.0	3.0
(E) 080-100	2.7	.5										3.2	2.9	2.0
110-130	.5											.5	1.6	2.0
140-160	.2	.2	.1									.5	6.0	5.0
(S) 170-190	.4	.4	.1									1.0	5.4	5.0
200-220	1.2	2.4	1.0	.3								4.8	7.1	6.0
230-250	3.5	8.5	5.7	.8	.1							18.6	7.8	8.0
(W) 260-280	4.1	3.1	1.2	.2								8.6	5.8	5.0
290-310	1.0	.2										1.2	3.6	3.0
320-340	.1											.1	2.0	2.0
VARIABLE		.5	.1	.4	.1							1.2	11.8	12.0
CALM	////////////////////////////////////											50.1	////////////////////////////////	
TOTALS	22.3	17.3	8.2	1.7	.2							100.0	3.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.2										1.4	2.7	2.0
020-040	4.6	.9										5.5	2.9	3.0
050-070	7.8	3.7										11.5	3.8	4.0
(E) 080-100	3.5	2.5										6.0	4.0	4.0
110-130	1.8	.3										2.2	2.6	2.0
140-160	.1	.2										.3	4.3	5.0
(S) 170-190	.8	.8										1.5	4.3	4.5
200-220	1.7	3.4	1.4	.3	.1							7.0	7.4	7.0
230-250	4.8	8.4	7.4	1.9	.2							22.8	8.6	8.0
(W) 260-280	4.8	4.3	1.7	.1	.1	.1						11.2	6.1	5.0
290-310	.9	.8	.1		.1							1.8	6.0	6.0
320-340	.2	.1										.3	3.7	3.0
VARIABLE		.5	1.2	.5	.1							2.4	12.0	10.0
CALM	////////////////////////////////////											26.1	////////////////////////////////	
TOTALS	32.2	26.1	11.8	2.8	.6	.1						100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.2										2.9	2.7	2.0
020-040	4.5	2.6										7.1	3.8	3.0
050-070	6.7	4.0	.2									10.9	4.2	4.0
(E) 080-100	2.5	3.4	.5	.1								6.6	5.8	6.0
110-130	.5	.4										1.0	4.0	4.0
140-160	.4											.4	2.0	2.0
(S) 170-190	1.2	.9										2.0	4.1	4.0
200-220	3.9	5.3	1.7	.3		.1						11.3	6.6	6.0
230-250	3.4	9.0	7.2	2.9	.1	.1						22.8	9.3	9.0
(W) 260-280	3.8	4.3	3.5	.6	.1							12.4	7.2	6.0
290-310	2.7	1.4	.3									4.4	4.1	4.0
320-340	1.4	.5										1.9	3.2	2.5
VARIABLE		1.4	1.0	.4	.2	.1						3.1	11.4	10.0
CALM	////////////////////////////////////											13.2	////////	
TOTALS	33.7	33.4	14.4	4.3	.4	.3						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3											2.3	2.4	2.0
020-040	8.0	1.1										9.0	3.1	3.0
050-070	6.2	6.0										12.3	4.4	4.0
(E) 080-100	1.5	2.6										4.1	5.1	5.0
110-130	1.4	.1										1.5	2.8	2.5
140-160	.9	.4										1.3	4.0	4.0
(S) 170-190	2.2	.2										2.4	3.0	3.0
200-220	4.0	5.3	1.3	.1	.1							10.8	5.8	5.0
230-250	5.4	8.9	5.6	2.0	.4							22.4	8.3	8.0
(W) 260-280	3.7	4.7	3.0	.1								11.5	6.7	6.0
290-310	1.8	1.2		.1								3.1	4.5	4.0
320-340	1.3	.1										1.4	2.6	2.0
VARIABLE		.9	.5	.1								1.5	9.8	9.0
CALM	////////////////////////////////////											16.6	////////////////////////////////	
TOTALS	38.7	31.5	10.4	2.4	.5							100.0	4.8	5.
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3											.3	1.7	1.0
020-040	4.6	.6										5.3	2.6	2.0
050-070	5.8	1.3										7.1	3.0	3.0
(E) 080-100	2.4	1.2	.1									3.7	3.9	3.0
110-130	1.1											1.1	2.1	2.0
140-160	.3	.5										.9	4.6	5.0
(S) 170-190	1.5	.9										2.4	3.6	3.5
200-220	1.6	3.1	1.0									5.7	6.3	6.0
230-250	3.2	8.1	4.6	.6	.1							16.7	7.6	8.0
(W) 260-280	2.6	2.6	.8	.4								6.3	6.2	6.0
290-310	1.4											1.4	2.4	2.0
320-340	.3											.3	1.7	2.0
VARIABLE	.2											.2	12.0	12.0
CALM	////////////////////////////////////											48.7	////////////////////////////////	
TOTALS	25.1	18.3	6.7	1.0	.1							100.0	2.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.3	2.0
020-040	2.6	.4										3.0	3.3	3.5
050-070	5.1	.5										5.6	2.6	2.0
(E) 080-100	1.0	.9	.1									1.9	4.8	5.0
110-130	.9	.1	.2									1.2	3.7	2.0
140-160	.2	.1										.3	4.0	4.0
(S) 170-190	.5	.6	.1									1.3	5.2	5.5
200-220	1.2	2.2	1.0									4.3	6.8	7.0
230-250	3.1	6.7	4.0	.9								14.6	7.9	8.0
(W) 260-280	3.9	3.3	1.1	.3			.1					8.7	6.0	5.0
290-310	2.5	.2										2.7	2.2	2.0
320-340	.4											.4	2.0	2.0
VARIABLE		.3	.1									.4	8.8	8.5
CALM	////////////////////////////////////											55.1	////////////////////////////////	
TOTALS	21.8	15.3	6.6	1.2			.1					100.0	2.5	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.0	.1										1.1	2.5	2.0
020-040	4.0	.9										4.8	3.1	3.0
050-070	5.9	2.3	.0									8.2	3.5	3.0
(E) 080-100	2.0	1.5	.1	.0								3.6	4.5	4.0
110-130	.9	.1	.0									1.1	2.9	2.0
140-160	.3	.2	.1									.5	4.9	4.0
(S) 170-190	1.0	.6	.0	.0								1.6	4.3	4.0
200-220	2.0	3.1	1.2	.2	.0	.0						6.5	6.8	6.0
230-250	3.9	7.7	5.4	1.4	1	.0						18.6	8.3	8.0
(W) 260-280	3.6	3.7	1.8	.3	.0	.0	.0					9.4	6.4	6.0
290-310	1.6	.5	.1	.0	.0							2.2	3.7	3.0
320-340	.7	.1										.8	2.5	2.0
VARIABLE		.5	.5	.2	.1	.0						1.3	11.1	10.0
CALM	////////////////////////////////////											40.1	////////////////////////////////	
TOTALS	26.9	21.3	9.2	2.1	2							100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		1.0	.1									1.1	2.5	2.0
020-040		5.0	1.1									6.1	2.9	3.0
050-070		9.0	1.0									10.0	2.8	2.0
(E) 080-100		2.5	.9									3.5	3.6	4.0
110-130		1.1	.1									1.3	2.5	2.0
140-160		.4										.4	2.3	2.0
(S) 170-190		.6	.1									.6	2.5	2.0
200-220		1.3	1.1	.1	.1							2.5	5.1	4.5
230-250		3.9	7.0	5.3	1.1	.2	.1					17.7	8.2	8.0
(W) 260-280		4.1	4.1	1.1								9.4	5.3	5.0
290-310		1.1	.5									1.6	3.8	3.0
320-340		.1	.1									.1	3.5	3.5
VARIABLE														
CALM		////////////////////////////////////										45.8	////////	
TOTALS		30.1	16.1	6.5	1.2	.2	.1					100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 1591

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN ABGERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2											.2	2.0	2.0
020-040	2.3	.7										3.0	3.2	3.0
050-070	4.4	2.2	.1									6.8	3.7	3.0
(E) 080-100	1.9	1.0										2.9	3.5	3.0
110-130	1.0	.1										1.1	2.8	2.5
140-160	.4											.4	2.0	2.0
(S) 170-190	.7	.6										1.2	4.1	4.0
200-220	1.2	2.6	1.3	.6		.1						5.8	8.6	8.0
230-250	4.4	10.7	3.6	1.1	.3	.4						20.6	8.0	7.0
(W) 260-280	4.0	3.1	1.4	.3								8.9	5.9	5.0
290-310	1.2	.1										1.3	2.6	3.0
320-340	.3	.1										.4	2.8	2.0
VARIABLE		.4	.8	.2	.2							1.7	12.1	10.0
CALM	////////////////////////////////////											45.7	////////////////////////////////	
TOTALS	22.0	21.6	7.2	2.2	.5	.5						100.0	3.5	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.2										.8	3.7	3.0
020-040	2.7	.8										3.4	3.0	3.0
050-070	4.9	2.1	.3									7.3	4.2	4.0
(E) 080-100	2.9	.8	.1									3.8	3.1	2.0
110-130	1.0											1.0	1.9	2.0
140-160	.7											.7	1.5	1.0
(S) 170-190	1.6	.2	.1									1.9	3.9	3.0
200-220	1.9	2.9	1.4	.4	.1							6.8	7.5	6.0
230-250	4.7	9.3	3.4	.8	.3	.2						18.8	7.4	7.0
(W) 260-280	3.4	3.3	1.4	.3	.3		.1					9.0	7.0	5.0
290-310	1.6											1.6	1.9	2.0
320-340	.3											.3	1.3	1.0
VARIABLE		.1	.7	.3								1.1	11.8	11.0
CALM	////////////////////////////////////											43.6	////////////////////////////////	
TOTALS	26.3	19.7	7.4	1.8	.7	.2	.1					100.0	3.4	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.9											.9	2.1	2.0
020-040	2.7	.4										3.1	2.8	2.0
050-070	5.6	2.0	.2									7.8	4.1	4.0
(E) 080-100	3.3	.7										4.0	3.4	3.0
110-130	1.7											1.7	1.9	2.0
140-160	.3	.1										.4	3.3	3.0
(S) 170-190	.7	.4										1.1	4.5	4.0
200-220	1.8	3.6	1.8	.4								7.6	7.7	7.0
230-250	4.0	11.1	3.7	.6		.1						19.4	7.3	7.0
(W) 260-280	3.8	3.1	.9	.3	.1	.2	.2					8.7	7.1	5.0
290-310	1.0	.1										1.1	3.1	3.5
320-340	.7	.1										.8	2.7	2.0
VARIABLE		.4	.7	.2	.1							1.4	10.8	10.0
CALM	////////////////////////////////////											42.0	////////////////////////////////	
TOTALS	26.5	22.0	7.3	1.5	.2	.3	.2					100.0	3.5	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9											.9	2.8	2.5
020-040	3.9	.8										4.7	3.1	3.0
050-070	4.3	3.0	.2									7.6	4.5	4.0
(E) 080-100	3.2	1.2	.2									4.7	4.1	4.0
110-130	1.9	.2										2.1	2.4	2.0
140-160	.6	.1										.7	2.8	3.0
(S) 170-190	.9	.4	.2									1.6	5.1	3.5
200-220	2.3	3.9	2.0	.4								8.7	7.2	7.0
230-250	4.7	13.0	6.4	.8	.1	.1						25.1	7.6	7.0
(W) 260-280	2.8	3.4	1.4	.1	.3	.2	.1					8.4	7.7	6.0
290-310	1.2	.4										1.7	3.2	3.0
320-340	.6											.6	2.4	2.0
VARIABLE		1.6	.9	.4	.1							3.0	10.3	9.0
CALM	////////////////////////////////////											30.4	////////	
TOTALS	27.3	28.0	11.3	1.7	.5	.3	.1					100.0	4.4	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.6										3.2	2.6	2.0
020-040	8.2	1.2										9.4	3.0	3.0
050-070	5.0	4.2	.8									10.0	4.7	4.5
(E) 080-100	1.7	1.6	.2									3.4	4.7	5.0
110-130	1.4	.4										1.9	3.4	3.0
140-160	.9	.3										1.2	3.0	2.0
(S) 170-190	.7	1.1										1.8	5.0	5.5
200-220	2.0	4.4	2.9	.7								10.0	8.0	8.0
230-250	4.2	12.6	7.3	1.7	.3		.1					26.2	8.3	8.0
(W) 260-280	3.2	5.2	2.1	.7	.4							11.7	7.6	7.0
290-310	1.8	1.3	.1									3.2	4.2	4.0
320-340	.8	.3										1.1	3.7	4.0
VARIABLE		1.2	1.9	.2								3.3	9.8	10.0
CALM	////////////////////											13.4	////////////////	
TOTALS	32.6	34.4	15.3	3.3	.7		.1					100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.3										2.7	2.8	3.0
020-040	6.2	1.4										7.7	3.0	3.0
050-070	7.0	2.9	.6	.1								10.6	4.2	4.0
(E) 080-100	1.7	1.6	.1									3.3	4.4	4.5
110-130	.3											.3	2.0	2.0
140-160		.2										.2	6.0	6.0
(S) 170-190	.9	.8	.2									1.9	5.5	6.0
200-220	3.6	4.2	1.3	.6	.1							9.8	6.7	6.0
230-250	5.8	13.9	6.1	.7	.2	.2						26.9	7.6	7.0
(W) 260-280	4.1	4.2	.9	.9		.1						10.2	6.7	6.0
290-310	1.2	1.1										2.3	4.1	4.0
320-340	.7	.1										.8	2.3	2.0
VARIABLE		2.0	1.1									3.1	8.8	8.0
CALM	////////////////////////////////////											20.2	////////////////////////////////	
TOTALS	33.8	32.7	10.3	2.3	.3	.3						100.0	4.8	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
UAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.2										1.4	2.4	2.0
020-040	4.3	.3										4.7	2.4	2.0
050-070	5.0	1.8	.4									7.2	4.0	3.0
(E) 080-100	2.6	.8	.1									3.4	3.2	2.0
110-130	.7	.1										.8	3.1	2.0
140-160	.4	.4										.9	3.9	4.0
(S) 170-190	.6	.6	.2									1.3	5.3	5.0
200-220	2.1	3.2	2.1	.4	.1							8.0	7.8	7.0
230-250	7.3	9.6	4.3	.4	.1	.3						22.1	7.0	7.0
(W) 260-280	4.1	2.7	1.0	.6	.1							8.4	5.9	5.0
290-310	1.8	.1										1.9	2.7	2.0
320-340	.4	.1										.6	3.8	3.0
VARIABLE		1.1	.7									1.8	8.8	8.5
CALM	////////////////////////////////////											37.4	////////	
TOTALS	30.5	21.0	8.8	1.4	.3	.3						100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.1										.8	2.3	1.0
020-040	3.0	.3										3.3	2.9	3.0
050-070	4.7	1.7	.2									6.6	3.7	3.0
(E) 080-100	2.3	1.3	.3									4.0	4.5	4.0
110-130	1.1	.1										1.2	2.5	2.0
140-160	.6	.2										.8	3.4	3.0
(S) 170-190	.3	.2	.3									.9	7.4	7.5
200-220	1.2	2.8	1.1	.4	.3							5.9	8.6	8.0
230-250	4.7	7.6	5.4	.7	.1	.7						19.1	8.6	8.0
(W) 260-280	4.9	3.3	1.0	.6	.1							9.9	5.9	5.0
290-310	1.4	.6										2.0	3.6	3.5
320-340	.3	.1										.4	2.3	1.5
VARIABLE	.2	1.1	.6	.2								2.1	8.9	8.0
CALM	////////////////////											43.0	////////	
TOTALS	25.4	19.4	8.9	1.9	.5	.7						100.0	3.7	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.2										1.4	2.6	2.0
020-040	4.2	.8										4.9	2.9	3.0
050-070	5.1	2.5	.4	.0								8.0	4.2	4.0
(E) 080-100	2.4	1.1	.1									3.7	3.9	3.0
110-130	1.1	.1										1.3	2.6	2.0
140-160	.5	.2										.7	3.1	2.5
(S) 170-190	.8	.5	.1									1.5	5.0	4.0
200-220	2.0	3.4	1.8	.5	.1	.0						7.8	7.7	7.0
230-250	5.0	11.0	5.0	.8	.2	.3	.0					22.3	7.7	7.0
(W) 260-280	3.8	3.6	1.3	.5	.2	.1	.1					9.4	6.7	6.0
290-310	1.4	.5	.0									1.9	3.4	3.0
320-340	.5	.1										.6	2.8	2.0
VARIABLE	.0	1.0	.9	.2	.1							2.2	9.9	10.0
CALM	////////////////////////////////////											34.5	////////////////////////////////	
TOTALS	28.0	25.0	9.6	2.0	.6	.4	.1					100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.8	.1									1.0	2.3	2.0
020-040	4.2	.5									4.8	2.7	2.0
050-070	7.6	1.9	.2								9.8	3.4	3.0
(E) 080-100	3.3	1.5	.0								4.8	3.6	3.0
110-130	1.6	.2									1.8	2.7	2.0
140-160	.8	.1									.9	2.2	2.0
(S) 170-190	1.0	.2	.0								1.2	3.5	3.0
200-220	2.3	2.8	1.5	.5	.0						7.2	7.3	7.0
230-250	5.7	10.9	3.3	.5	.0	.0					20.5	6.7	6.0
(W) 260-280	3.9	2.7	.6	.1	.0						7.4	5.1	4.0
290-310	1.1	.2									1.3	2.7	2.0
320-340	.3										.3	2.3	2.0
VARIABLE													
CALM	////////////////////////////////////										39.0	////////////////////////////////	
TOTALS	32.6	21.1	5.6	1.1							100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 2182

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3											.3	3.3	4.0
020-040	1.7	.4										2.2	3.3	3.0
050-070	5.2	1.7	.1									7.0	3.4	3.0
(E) 080-100	2.8	1.1	.1									4.0	4.2	3.0
110-130	.9											.9	2.5	2.5
140-160	.5	.1										.6	3.7	3.0
(S) 170-190	.1	.1	.1		.2							.5	11.2	10.0
200-220	.6	2.2	2.2	.4	.4							5.8	10.1	10.0
230-250	5.2	10.5	8.9	1.8	.5	.1						27.1	8.6	8.0
(W) 260-280	4.1	4.6	2.6	.6	.1							12.0	6.9	6.0
290-310	1.2	.4	.1									1.7	3.9	3.0
320-340	.6											.6	2.2	1.5
VARIABLE		.5	.2		.2							1.0	11.2	9.0
CALM	////////////////////////////////////											36.2	////////	
TOTALS	23.2	21.6	14.3	2.8	1.4	.1						100.0	4.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.3										1.1	3.2	2.0
020-040	1.0	.3										1.3	3.5	3.0
050-070	5.5	1.6										7.1	3.6	3.0
(E) 080-100	2.5	1.0	.2									3.7	4.1	3.5
110-130	1.1	.1										1.2	2.5	3.0
140-160	.5											.5	3.0	3.0
(S) 170-190	.3	.1										.4	3.0	3.0
200-220	.6	2.7	2.0	.3	.3	.1						6.1	9.1	8.0
230-250	5.8	9.7	4.8	2.4	1.1							23.8	8.3	7.0
(W) 260-280	3.7	5.4	3.8	1.0	.2							14.0	8.0	8.0
290-310	1.1	.5	.1			.1						1.8	5.1	4.0
320-340	1.1	.2										1.3	3.2	3.0
VARIABLE		.1	1.3	.3	.5							2.3	14.2	12.0
CALM	////////////////////////////////////											35.5	////////////////////////////////	
TOTALS	24.0	22.0	12.2	4.0	2.1	.2						100.0	4.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.1										.8	3.4	3.0
020-040	1.2	.2										1.4	3.2	3.0
050-070	5.8	2.5										8.3	3.7	3.0
(E) 080-100	2.4	.6										3.0	3.1	3.0
110-130	.8	.2										1.0	3.6	4.0
140-160	.6	.2										.9	3.1	2.0
(S) 170-190	.1	.4	.1									.6	6.7	7.0
200-220	1.3	2.5	1.8	.9	.1	.2						6.8	9.3	8.0
230-250	5.6	8.3	6.9	2.3	.9							23.9	8.7	8.0
(W) 260-280	3.5	5.9	2.2	1.6	.2	.1						13.5	8.0	7.0
290-310	1.1	.4										1.5	3.1	3.0
320-340	.5	.1	.1									.8	4.1	3.0
VARIABLE		.3	1.2	.6	.4	.1						2.7	14.1	14.0
CALM	////////////////////////////////////											34.9	////////	
TOTALS	23.5	21.7	12.3	5.4	1.6	.4						100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.8	3.0
020-040	2.5	.2										2.7	2.8	3.0
050-070	5.1	3.9	.1									9.0	4.4	4.0
(E) 080-100	2.3	1.6	.2									4.1	4.6	4.0
110-130	1.0											1.0	2.2	2.0
140-160	.3											.3	1.3	1.0
(S) 170-190	.9	.4	.1									1.4	4.8	4.0
200-220	1.3	2.6	1.8	.4	.1		.2					6.5	9.0	8.5
230-250	6.7	12.7	7.2	3.3	.8	.1	.3					31.1	8.7	8.0
(W) 260-280	4.2	5.7	3.0	1.2	.1							14.2	7.5	6.0
290-310	.8	.5										1.3	3.9	3.5
320-340	.2	.1										.3	2.7	2.0
VARIABLE		.5	1.5	.5								2.6	11.8	11.5
CALM	////////////////////////////////////											25.2	////////////////////////////////	
TOTALS	25.7	28.2	13.9	5.4	1.0	.1	.5					100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.2										1.5	3.1	2.5
020-040	4.5	.2										4.7	2.6	2.0
050-070	5.1	4.1	.3									9.5	4.5	4.0
(E) 080-100	.9	2.4	.5									3.8	6.6	6.0
110-130	.5											.5	3.0	3.0
140-160	.5											.5	1.2	1.0
(S) 170-190	.9	.6	.6									2.2	6.0	5.5
200-220	1.5	3.1	1.8	.9	.1	.1						7.5	8.7	7.5
230-250	4.2	14.7	9.5	4.0	.4	.1						32.9	9.3	8.0
(W) 260-280	4.7	5.4	3.4	1.3	.3							15.2	7.7	7.0
290-310	2.0	.5	.1		.1							2.8	4.1	3.0
320-340	.9	.3										1.2	3.4	3.0
VARIABLE		1.1	1.3	.8	.2	.1						34	12.3	10.0
CALM	////////////////////////////////////											14.3	////////	
TOTALS	27.0	32.6	17.5	7.0	1.1	.3						100.0	6.4	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5											1.5	2.6	2.5
020-040	4.0	.4										4.4	2.6	2.0
050-070	8.2	3.1	.1									11.4	3.6	3.0
(E) 080-100	1.4	1.6										3.0	4.8	5.0
110-130	.4											.4	2.5	2.0
140-160	.5	.1										.6	3.3	3.0
(S) 170-190	.8	.3	.3	.2								1.6	7.2	5.0
200-220	2.6	3.1	1.6	.4	.2							8.0	7.3	6.0
230-250	8.3	13.2	8.4	1.8	1.0							32.7	8.0	8.0
(W) 260-280	4.1	3.5	3.7	1.2	.5	.1						13.1	8.5	8.0
290-310	2.3	.3										2.6	2.6	2.0
320-340	.4	.3										.8	4.3	4.0
VARIABLE		1.1	.3	.1	.1	.1						1.7	11.1	8.5
CALM	////////////////////////////////////											18.2	//////////	
TOTALS	34.5	27.0	14.4	3.7	1.8	.2						100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3											.3	2.3	2.0
020-040	1.9	.2										2.2	2.6	2.0
050-070	6.8	1.6	.2									8.6	3.1	3.0
(E) 080-100	1.6	1.1	.2									2.9	4.7	4.0
110-130	.9		.1									1.0	2.9	2.0
140-160	.2											.2	1.5	1.5
(S) 170-190	.4	.4	.2	.1	.1							1.3	8.3	7.5
200-220	1.4	2.6	2.3	.5								6.8	8.3	8.0
230-250	6.1	12.9	7.1	1.9	.3							28.4	8.0	8.0
(W) 260-280	3.9	2.8	2.6	.8	.1							10.1	7.2	6.0
290-310	1.3	.5		.1								1.9	4.3	3.0
320-340	.6	.2										.9	3.4	3.0
VARIABLE		.9	1.5	.3	.1	.2						3.0	11.9	10.0
CALM	////////////////////////////////////											32.5	////////	
TOTALS	25.4	23.2	14.2	3.7	.6	.2						100.0	4.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2											.2	1.5	1.5
020-040	1.6	.1										1.7	2.6	2.0
050-070	3.9	2.4										6.2	3.7	3.5
(E) 080-100	2.8	.8	.1									3.7	3.9	4.0
110-130	.6	.2										.9	3.0	2.0
140-160	.3											.3	1.7	1.0
(S) 170-190	.2	.1	.5	.2	.3							1.4	12.5	12.0
200-220	1.7	1.4	1.7		.2							5.1	7.4	8.0
230-250	4.9	11.4	9.5	1.8	.8	.1						28.5	8.7	8.0
(W) 260-280	3.4	4.1	1.8	.8	.1							10.2	7.0	6.0
290-310	1.6	.4	.1									2.2	3.5	3.0
320-340	.8	.2										1.0	3.2	3.0
VARIABLE		.4	1.0	.5	.1							2.0	11.7	10.0
CALM	////////////////////////////////////											36.7	////////	
TOTALS	22.0	21.5	14.7	3.3	1.5	.1						100.0	4.5	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOUR: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.1										.8	2.9	3.0
020-040	2.3	.3										2.6	2.8	2.0
050-070	5.7	2.6	.1									8.4	3.8	3.0
(E) 080-100	2.1	1.3	.2									3.5	4.5	4.0
110-130	.8	.1	.0									.8	2.8	2.0
140-160	.5	.1										.5	2.6	2.0
(S) 170-190	.5	.3	.3	.1	.1							1.2	7.5	6.0
200-220	1.4	2.5	1.9	.5	.2	.1	.0					6.6	8.6	8.0
230-250	5.8	11.7	7.8	2.4	.7	.1	.0					28.5	8.6	8.0
(W) 260-280	4.0	4.7	2.9	1.0	.2	.0						12.8	7.6	7.0
290-310	1.4	.5	.1	.0	.0	.0						2.0	3.8	3.0
320-340	.6	.2	.0									.8	3.3	3.0
VARIABLE		.6	1.0	.4	.2	.1						2.3	12.4	10.0
CALM	////////////////////											29.2	////////////////	
TOTALS	25.8	25.0	14.3	4.4	1.4	.3						100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.0										.6	2.9	2.0
020-040	2.4	.1										2.5	2.6	2.5
050-070	7.2	2.1										9.2	3.3	3.0
(E) 080-100	2.5	.9	.1									3.5	3.9	4.0
110-130	1.2	.1										1.4	2.6	2.0
140-160	.8											.8	2.1	2.0
(S) 170-190	.6	.2	.2	.2	.2							1.3	.4	9.0
200-220	1.9	1.4	1.2	.5	.3							5.2	7.7	7.0
230-250	6.7	13.1	5.9	.9	.2	.0						26.9	7.3	7.0
(W) 260-280	4.8	4.4	1.9	.3	.0							11.5	6.0	5.0
290-310	1.5	.2										1.7	2.4	2.0
320-340	.3	.1										.4	3.9	3.5
VARIABLE														
CALM	////////////////////////////////////											34.9	////////	
TOTALS	30.5	22.6	9.3	1.9	.7							100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 2404

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.4	.4	.0									1.8	3.2	3.0
020-040		3.1	.9	.0									4.0	3.3	3.0
050-070		5.2	3.2	.2	.0								8.7	4.2	4.0
(E) 080-100		2.3	1.3	.2	.0								3.8	4.4	4.0
110-130		.8	.3	.0	.0								1.1	3.6	3.0
140-160		.5	.2	.0	.0								.6	3.6	3.0
(S) 170-190		.8	.5	.1	.0	.0							1.3	4.6	4.0
200-220		1.8	2.6	1.2	.3	.0	.0	.0					5.9	7.0	6.0
230-250		4.6	8.4	5.0	1.1	.2	.0	.0					19.3	7.8	8.0
(W) 260-280		4.6	4.9	2.5	.5	.1	.0	.0					12.6	6.8	6.0
290-310		1.8	.9	.2	.0	.0	.0						2.9	4.3	4.0
320-340		.9	.3	.0	.0	.0							1.3	3.5	3.0
VARIABLE		.0	1.1	.7	.2	.0	.0	.0					2.1	9.8	9.0
CALM		////////////////////////////////////										34.4	////////////////////////////////		
TOTALS		27.8	25.0	10.1	2.1	.3							100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 87671



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.1										1.1	2.7	2.0
020-040	3.4	.8										4.2	3.0	3.0
050-070	7.3	2.6	.1									10.0	3.5	3.0
(E) 080-100	2.8	1.0	.0									3.8	3.5	3.0
110-130	.9	.1										1.0	2.6	2.0
140-160	.4	.0	.0	.0								.4	2.5	2.0
(S) 170-190	.4	.1	.0	.0	.0							.6	5.2	3.0
200-220	1.4	1.5	.8	.4	.0							4.1	7.3	6.0
230-250	4.8	9.5	5.6	1.1	.2	.0						21.2	7.8	8.0
(W) 260-280	4.4	3.9	1.5	.3	.0							10.1	6.0	5.0
290-310	1.3	.3	.0	.0								1.6	3.0	2.0
320-340	.5	.1										.6	2.8	2.0
VARIABLE														
CALM	////////////////////////////////////											41.2	////////	
TOTALS	28.5	20.0	8.0	1.8	.2							100.0	3.3	5.0

TOTAL NUMBER OF OBSERVATIONS: 16013

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

## PART D

### CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

#### CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSRVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

#### SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.5	11.6	15.0	15.4	17.1	17.5	18.8	20.6	21.0	22.0	22.9	22.9	23.3	23.3	23.8	23.8
GE 20000	12.9	13.0	16.4	16.9	18.8	19.3	20.7	22.4	22.9	23.9	24.9	24.9	25.2	25.2	25.7	25.7
GE 18000	12.9	13.0	16.4	16.9	18.8	19.3	20.7	22.4	22.9	23.9	24.9	24.9	25.2	25.2	25.7	25.7
GE 16000	12.9	13.0	16.4	16.9	18.8	19.3	20.7	22.4	22.9	23.9	24.9	24.9	25.2	25.2	25.7	25.7
GE 14000	13.0	13.1	16.5	17.0	18.9	19.4	20.8	22.5	23.0	24.0	25.0	25.0	25.3	25.3	25.8	25.8
GE 12000	13.0	13.1	16.5	17.0	18.9	19.4	20.8	22.5	23.0	24.0	25.0	25.0	25.3	25.3	25.8	25.8
GE 10000	13.6	13.7	17.1	17.7	19.9	20.3	21.7	23.5	24.0	25.0	25.9	25.9	26.3	26.3	26.8	26.8
GE 9000	14.0	14.1	17.5	18.1	20.5	20.9	22.3	24.0	24.5	25.5	26.5	26.5	26.8	26.8	27.3	27.3
GE 8000	14.7	15.0	18.6	19.3	21.6	22.1	23.5	25.2	25.7	26.7	27.7	27.7	28.0	28.0	28.5	28.5
GE 7000	14.9	15.1	18.8	19.5	21.9	22.3	23.7	25.4	25.9	26.9	27.9	27.9	28.2	28.2	28.7	28.7
GE 6000	15.1	15.3	19.3	19.9	22.3	22.7	24.1	25.8	26.4	27.3	28.3	28.3	28.6	28.6	29.2	29.2
GE 5000	16.5	16.8	20.9	21.6	24.0	24.4	25.9	27.7	28.2	29.4	30.4	30.4	30.7	30.7	31.2	31.2
GE 4500	18.2	18.5	22.9	23.8	26.4	27.3	28.8	30.6	31.1	32.3	33.5	33.5	33.8	33.8	34.3	34.3
GE 4000	21.0	21.4	26.0	27.2	30.2	31.5	33.2	34.9	35.4	36.8	38.1	38.1	38.4	38.4	39.0	39.0
GE 3500	23.6	24.0	28.7	30.1	33.4	34.7	36.4	38.1	38.6	40.0	41.3	41.3	41.7	41.7	42.2	42.2
GE 3000	30.4	30.9	36.6	38.4	41.8	43.2	45.0	46.8	47.4	48.8	50.1	50.1	50.4	50.4	50.9	50.9
GE 2500	33.2	33.7	40.2	42.1	46.3	47.9	49.7	51.9	52.4	53.9	55.2	55.2	55.5	55.5	56.1	56.1
GE 2000	37.9	38.5	45.6	48.0	53.1	54.7	56.7	59.3	60.0	61.7	63.1	63.1	63.4	63.4	63.9	63.9
GE 1800	38.5	39.3	46.5	48.9	53.9	55.5	57.7	60.3	60.9	62.6	64.0	64.0	64.4	64.4	64.9	64.9
GE 1500	42.2	43.1	51.1	53.8	59.7	61.5	63.7	66.5	67.3	69.1	70.6	70.6	70.9	70.9	71.5	71.5
GE 1200	44.8	45.7	55.3	58.2	64.8	66.7	70.0	72.9	73.6	75.8	77.4	77.4	77.7	77.7	78.3	78.3
GE 1000	45.6	46.6	57.2	60.2	67.7	70.0	74.0	77.1	78.5	81.3	83.2	83.2	83.5	83.5	84.1	84.1
GE 900	46.4	47.5	58.6	61.6	69.3	71.6	75.6	79.1	80.5	84.0	86.0	86.0	86.3	86.3	86.9	86.9
GE 800	46.7	47.8	59.0	62.0	70.0	72.3	76.6	80.5	81.9	85.5	87.6	87.6	87.9	87.9	88.5	88.5
GE 700	46.7	47.8	59.2	62.2	70.5	73.0	77.3	81.3	82.7	86.8	88.9	88.9	89.6	89.6	90.1	90.1
GE 600	46.7	47.8	59.2	62.2	70.9	73.4	77.9	82.0	83.7	88.3	90.7	90.7	91.4	91.4	91.9	91.9
GE 500	46.7	47.8	59.2	62.2	71.0	73.8	78.4	82.9	84.9	89.9	92.6	92.6	93.2	93.2	93.8	93.8
GE 400	46.7	47.8	59.2	62.2	71.0	74.1	78.6	83.5	85.6	91.4	94.3	94.5	95.2	95.2	95.7	95.7
GE 300	46.7	47.8	59.2	62.2	71.0	74.1	78.8	84.3	86.4	92.7	95.9	96.1	96.8	96.8	97.4	97.4
GE 200	46.7	47.8	59.2	62.2	71.0	74.1	78.8	84.3	86.4	92.9	96.2	96.4	97.2	97.7	98.9	99.2
GE 100	46.7	47.8	59.2	62.2	71.0	74.1	78.8	84.3	86.4	92.9	96.3	96.6	97.3	97.8	99.4	99.9
GE 000	46.7	47.8	59.2	62.2	71.0	74.1	78.8	84.3	86.4	92.9	96.3	96.6	97.3	97.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN '55 - MAY 88  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.6	11.0	13.7	13.9	15.9	16.6	17.8	19.5	20.2	20.6	21.5	21.5	21.6	21.8	22.3	22.3
GE 20000	11.9	12.3	14.9	15.2	17.5	18.2	19.5	21.1	21.8	22.3	23.1	23.1	23.2	23.4	23.9	23.9
GE 18000	11.9	12.3	14.9	15.2	17.5	18.2	19.5	21.1	21.8	22.3	23.1	23.1	23.2	23.4	23.9	23.9
GE 16000	11.9	12.3	14.9	15.2	17.5	18.2	19.5	21.1	21.8	22.3	23.1	23.1	23.2	23.4	23.9	23.9
GE 14000	11.9	12.3	14.9	15.2	17.5	18.2	19.5	21.1	21.8	22.3	23.1	23.1	23.2	23.4	23.9	23.9
GE 12000	11.9	12.3	14.9	15.2	17.5	18.2	19.5	21.1	21.8	22.3	23.1	23.1	23.2	23.4	23.9	23.9
GE 10000	12.7	13.0	15.7	15.9	18.3	18.9	20.2	21.8	22.6	23.0	23.9	23.9	24.0	24.2	24.6	24.6
GE 9000	12.8	13.1	15.9	16.1	18.5	19.1	20.4	22.0	22.8	23.2	24.1	24.1	24.2	24.4	24.8	24.8
GE 8000	14.0	14.3	17.2	17.5	19.9	20.5	21.8	23.4	24.2	24.6	25.5	25.5	25.6	25.8	26.2	26.2
GE 7000	14.0	14.3	17.2	17.5	20.1	20.8	22.0	23.7	24.4	24.8	25.7	25.7	25.8	26.0	26.5	26.5
GE 6000	14.0	14.3	17.2	17.5	20.1	20.8	22.0	23.7	24.4	24.8	25.7	25.7	25.8	26.0	26.5	26.5
GE 5000	15.9	16.2	19.2	19.6	22.3	22.9	24.2	25.8	26.6	27.0	27.8	27.8	28.0	28.2	28.6	28.6
GE 4500	17.5	18.0	21.1	21.4	24.1	25.1	26.3	28.0	28.7	29.4	30.2	30.2	30.3	30.5	31.0	31.0
GE 4000	19.8	20.2	23.7	24.5	27.4	28.4	29.7	31.3	32.0	32.7	33.5	33.5	33.7	33.9	34.3	34.3
GE 3500	22.0	22.5	26.0	27.0	30.6	31.7	33.2	34.8	35.7	36.6	37.4	37.4	37.5	37.7	38.2	38.2
GE 3000	27.3	27.8	32.8	34.4	38.3	39.4	40.9	42.5	43.3	44.5	45.4	45.4	45.5	45.7	46.1	46.1
GE 2500	30.0	30.6	36.1	37.7	42.5	43.7	45.4	47.0	47.8	49.0	49.9	49.9	50.0	50.2	50.6	50.6
GE 2000	34.4	35.2	41.4	43.0	48.8	50.0	52.2	53.8	55.1	56.3	57.2	57.2	57.3	57.5	58.0	58.0
GE 1800	35.3	36.0	42.4	44.0	49.9	51.1	53.2	55.1	56.3	57.6	58.5	58.5	58.6	58.8	59.2	59.2
GE 1500	38.8	39.7	47.4	49.1	55.2	56.6	58.9	61.5	62.8	64.2	65.1	65.1	65.2	65.4	65.8	65.8
GE 1200	42.9	43.8	52.7	54.4	61.0	62.9	65.5	68.7	70.0	71.7	72.6	72.6	72.7	72.9	73.3	73.4
GE 1000	45.2	46.0	55.3	57.1	64.5	66.7	70.2	73.9	75.6	77.7	79.1	79.2	79.4	79.6	80.0	80.1
GE 900	45.5	46.3	57.0	59.0	66.5	68.7	72.4	76.3	78.2	80.6	82.0	82.2	82.3	82.5	82.9	83.0
GE 800	45.9	46.8	57.8	59.9	67.3	69.7	73.8	78.2	80.1	82.9	84.4	84.5	84.6	84.8	85.3	85.4
GE 700	46.1	47.0	58.2	60.3	68.2	70.6	74.8	79.7	81.7	85.3	86.9	87.0	87.1	87.3	87.7	87.8
GE 600	46.2	47.1	58.3	60.4	68.9	71.5	76.5	81.5	83.5	87.2	89.1	89.2	89.4	89.6	90.0	90.1
E 500	46.2	47.1	58.3	60.4	69.5	72.3	77.2	83.0	85.4	89.1	91.5	91.6	91.7	91.9	92.4	92.5
GE 400	46.3	47.2	58.4	60.5	69.6	72.6	77.7	84.0	86.3	91.1	93.7	94.1	94.2	94.4	94.9	95.1
GE 300	46.3	47.2	58.4	60.5	69.6	72.6	77.7	84.4	87.0	92.5	95.3	95.7	95.9	96.2	96.8	96.9
GE 200	46.3	47.2	58.4	60.5	69.6	72.6	77.7	84.4	87.0	92.6	95.7	96.1	96.3	97.4	98.8	99.5
GE 100	46.3	47.2	58.4	60.5	69.6	72.6	77.7	84.4	87.0	92.6	95.8	96.2	96.5	97.6	99.0	100.0
GE 000	46.3	47.2	58.4	60.5	69.6	72.6	77.7	84.4	87.0	92.6	95.8	96.2	96.5	97.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.3	11.4	12.8	12.9	14.8	15.4	16.2	17.4	18.3	18.9	19.4	19.4	19.4	19.6	19.7	19.7
GE 20000	12.5	12.6	14.5	14.7	17.3	17.8	18.7	19.9	20.8	21.4	21.8	21.8	21.8	22.0	22.2	22.2
GE 18000	12.5	12.6	14.5	14.7	17.3	17.8	18.7	19.9	20.8	21.4	21.8	21.8	21.8	22.0	22.2	22.2
GE 16000	12.5	12.6	14.5	14.7	17.3	17.8	18.7	19.9	20.8	21.4	21.8	21.8	21.8	22.0	22.2	22.2
GE 14000	12.5	12.6	14.5	14.7	17.3	17.8	18.7	19.9	20.8	21.4	21.8	21.8	21.8	22.0	22.2	22.2
GE 12000	12.5	12.6	14.5	14.7	17.3	17.8	18.7	19.9	20.8	21.4	21.8	21.8	21.8	22.0	22.2	22.2
GE 10000	12.6	12.7	14.6	14.9	17.5	18.2	19.0	20.2	21.1	21.7	22.2	22.2	22.2	22.4	22.5	22.5
GE 9000	12.8	12.9	15.1	15.4	18.0	18.6	19.5	20.6	21.5	22.2	22.6	22.6	22.6	22.8	22.9	22.9
GE 8000	13.8	13.9	16.1	16.7	19.2	19.9	20.8	21.9	22.8	23.4	23.9	23.9	23.9	24.1	24.2	24.2
GE 7000	13.8	13.9	16.1	16.7	19.2	19.9	20.8	21.9	22.8	23.4	23.9	23.9	23.9	24.1	24.2	24.2
GE 6000	14.2	14.3	16.6	17.1	19.7	20.3	21.2	22.4	23.2	23.9	24.3	24.3	24.3	24.5	24.6	24.6
GE 5000	15.5	15.7	18.3	18.8	21.6	22.3	23.1	24.3	25.2	25.8	26.2	26.2	26.2	26.5	26.6	26.6
GE 4500	16.6	16.9	19.7	20.2	23.0	23.7	24.6	25.8	26.7	27.3	27.7	27.7	27.7	28.0	28.1	28.1
GE 4000	17.8	18.2	21.3	22.3	25.6	26.5	27.5	28.9	29.8	30.4	31.0	31.0	31.0	31.2	31.3	31.3
GE 3500	20.3	20.8	24.2	25.2	29.1	30.0	31.7	33.3	34.3	34.9	35.5	35.5	35.5	35.7	35.8	35.8
GE 3000	26.2	26.8	31.2	32.6	37.3	38.3	40.0	41.6	42.6	43.4	44.0	44.0	44.0	44.2	44.3	44.3
GE 2500	28.5	29.0	34.0	35.5	41.4	42.5	44.2	45.9	46.9	47.7	48.3	48.3	48.3	48.5	48.6	48.6
GE 2000	33.4	34.0	40.0	41.9	48.6	49.7	51.7	53.5	54.6	55.5	56.0	56.0	56.0	56.2	56.3	56.3
GE 1800	34.2	34.7	40.8	42.7	49.5	50.5	52.6	54.4	55.5	56.3	56.9	56.9	56.9	57.1	57.2	57.2
GE 1500	39.2	39.9	47.0	48.9	56.1	57.7	59.8	62.0	63.2	64.2	64.7	64.7	64.7	64.9	65.1	65.1
GE 1200	42.4	43.2	51.3	53.4	61.4	63.1	65.3	68.1	69.4	70.9	71.7	71.8	71.8	72.0	72.2	72.2
GE 1000	44.6	45.5	54.7	57.1	65.5	67.4	70.0	72.9	74.2	76.0	77.1	77.3	77.3	77.5	77.6	77.6
GE 900	45.2	46.0	56.6	59.1	67.7	69.9	72.5	75.4	76.9	78.7	79.8	80.0	80.0	80.2	80.3	80.3
GE 800	46.2	47.2	58.9	61.6	70.3	73.0	75.6	78.7	80.3	82.3	83.4	83.7	83.7	83.9	84.0	84.0
GE 700	46.5	47.4	59.2	61.9	71.4	74.1	76.7	80.1	81.8	84.0	85.4	85.6	85.6	85.8	85.9	85.9
GE 600	46.5	47.4	59.5	62.2	72.3	75.3	78.5	82.3	84.3	86.5	88.2	88.4	88.4	88.6	88.7	88.7
GE 500	46.5	47.4	59.5	62.2	72.9	76.0	79.4	83.5	85.8	88.3	90.3	90.5	90.5	90.8	90.9	90.9
GE 400	46.7	47.6	59.7	62.4	73.1	76.5	80.1	84.8	87.1	90.2	92.6	93.0	93.0	93.2	93.3	93.3
GE 300	46.7	47.6	59.7	62.4	73.1	76.6	80.3	85.4	87.6	91.6	94.5	94.9	94.9	95.2	95.3	95.3
GE 200	46.7	47.6	59.7	62.4	73.1	76.6	80.3	85.4	87.8	91.8	95.2	96.1	96.3	96.8	98.2	98.7
GE 100	46.7	47.6	59.7	62.4	73.1	76.6	80.4	85.5	88.0	92.0	95.4	96.5	96.7	97.1	98.5	99.7
GE 000	46.7	47.6	59.7	62.4	73.1	76.6	80.4	85.5	88.0	92.0	95.4	96.5	96.7	97.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.5	8.5	11.2	11.3	12.5	12.9	14.3	15.1	15.7	16.9	17.4	17.4	17.4	17.8	17.8	18.0
GE 20000	10.5	10.6	13.8	14.0	15.5	16.0	17.4	18.3	18.9	20.3	21.1	21.1	21.1	21.5	21.5	21.6
GE 18000	10.5	10.6	13.8	14.0	15.5	16.0	17.4	18.3	18.9	20.3	21.1	21.1	21.1	21.5	21.5	21.6
GE 16000	10.5	10.6	13.8	14.0	15.5	16.0	17.4	18.3	18.9	20.3	21.1	21.1	21.1	21.5	21.5	21.6
GE 14000	10.5	10.6	13.8	14.0	15.5	16.0	17.4	18.3	18.9	20.3	21.1	21.1	21.1	21.5	21.5	21.6
GE 12000	10.6	10.8	13.9	14.1	15.7	16.2	17.6	18.5	19.1	20.5	21.3	21.3	21.3	21.7	21.7	21.8
GE 10000	11.6	11.9	15.3	15.6	17.2	17.7	19.2	20.1	21.0	22.4	23.2	23.2	23.2	23.7	23.7	23.8
GE 9000	12.4	12.8	16.2	16.7	18.3	18.8	20.3	21.2	22.0	23.4	24.3	24.3	24.3	24.7	24.7	24.8
GE 8000	14.0	14.4	18.2	18.7	21.1	21.8	23.4	24.3	25.2	26.6	27.4	27.4	27.4	27.8	27.8	28.0
GE 7000	14.2	14.6	18.5	19.0	21.5	22.3	23.9	24.8	25.8	27.2	28.1	28.1	28.1	28.5	28.5	28.6
GE 6000	14.5	14.9	18.8	19.4	21.8	22.6	24.2	25.2	26.1	27.5	28.4	28.4	28.4	28.8	28.8	28.9
GE 5000	15.6	16.1	20.1	20.8	23.5	24.3	25.9	26.9	28.0	29.4	30.2	30.2	30.2	30.6	30.6	30.8
GE 4500	17.3	18.0	22.5	23.1	26.0	26.8	28.5	29.5	30.5	31.9	32.8	32.8	32.8	33.2	33.2	33.3
GE 4000	18.4	19.0	23.9	24.5	28.6	29.5	31.2	32.4	33.8	35.2	36.0	36.0	36.0	36.5	36.5	36.6
GE 3500	20.8	21.4	26.5	27.1	31.6	32.5	34.2	35.4	36.8	38.2	39.0	39.0	39.0	39.5	39.5	39.6
GE 3000	25.3	25.9	31.5	33.1	38.4	39.4	41.3	42.5	44.0	45.7	46.7	46.7	46.7	47.1	47.1	47.2
GE 2500	27.7	28.4	34.2	35.8	41.7	43.0	45.1	46.3	47.8	49.6	50.5	50.5	50.5	51.0	51.0	51.1
GE 2000	32.5	33.1	39.6	41.5	48.0	49.6	51.6	52.9	54.6	56.5	57.5	57.5	57.5	58.0	58.0	58.1
GE 1800	33.5	34.2	40.6	42.6	49.1	50.9	52.9	54.2	55.9	57.7	58.8	58.8	58.8	59.2	59.2	59.4
GE 1500	38.1	38.7	46.1	48.6	56.3	58.3	60.5	61.8	63.7	65.7	66.8	66.8	66.9	67.3	67.3	67.4
GE 1200	39.7	40.3	49.0	51.8	61.2	63.2	65.8	67.3	69.4	71.6	73.1	73.2	73.3	73.8	73.8	73.9
GE 1000	42.2	42.8	52.6	55.5	64.9	67.6	70.5	72.5	74.7	77.3	78.9	79.0	79.1	79.6	79.6	79.7
GE 900	42.9	43.5	53.9	56.9	67.4	70.6	73.5	75.5	78.1	80.9	82.5	82.6	82.7	83.1	83.1	83.2
GE 800	43.2	43.9	54.9	58.1	69.6	73.0	76.2	78.5	81.1	84.2	85.8	85.9	86.0	86.5	86.5	86.6
GE 700	43.2	43.9	55.1	58.4	70.4	74.4	77.6	79.9	82.8	86.2	88.0	88.2	88.3	88.7	88.7	88.8
GE 600	43.2	43.9	55.6	59.0	71.6	75.8	79.4	82.0	85.2	89.2	91.0	91.2	91.3	91.7	91.7	91.8
GE 500	43.2	43.9	55.6	59.0	71.8	76.1	79.8	82.7	86.2	90.6	92.5	92.7	93.2	93.7	93.7	94.1
GE 400	43.2	43.9	55.6	59.0	71.8	76.6	80.3	83.3	86.9	91.5	93.4	93.8	94.4	95.1	95.2	95.6
GE 300	43.2	43.9	55.6	59.0	71.8	76.6	80.3	83.5	87.2	91.8	93.9	94.2	95.1	96.0	96.1	96.6
GE 200	43.2	43.9	55.6	59.0	71.8	76.6	80.3	83.5	87.3	92.0	94.3	94.7	96.0	97.7	98.7	99.4
GE 100	43.2	43.9	55.6	59.0	71.8	76.6	80.3	83.5	87.3	92.0	94.3	94.7	96.0	97.7	98.7	99.6
GE 000	43.2	43.9	55.6	59.0	71.8	76.6	80.3	83.5	87.3	92.2	94.4	94.8	96.1	97.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.0	9.1	13.0	14.0	15.5	16.2	16.9	17.4	18.2	19.1	19.4	19.4	19.4	19.5	19.5	19.6
GE 20000	11.8	12.0	16.1	17.1	19.5	20.2	21.0	21.5	22.3	23.2	23.5	23.5	23.5	23.7	23.7	23.8
GE 18000	11.8	12.0	16.1	17.1	19.5	20.2	21.0	21.5	22.3	23.2	23.5	23.5	23.5	23.7	23.7	23.8
GE 16000	11.8	12.0	16.1	17.1	19.5	20.2	21.0	21.5	22.3	23.2	23.5	23.5	23.5	23.7	23.7	23.8
GE 14000	12.0	12.3	16.3	17.3	19.7	20.4	21.2	21.7	22.5	23.4	23.8	23.8	23.8	23.9	23.9	24.0
GE 12000	12.4	12.6	16.7	17.6	20.1	20.9	21.6	22.2	22.9	23.9	24.2	24.2	24.2	24.3	24.3	24.4
GE 10000	13.5	13.8	18.1	19.4	21.9	22.7	23.5	24.2	24.9	25.9	26.2	26.2	26.2	26.3	26.3	26.5
GE 9000	14.4	14.6	18.9	20.2	22.8	23.5	24.4	25.1	25.8	26.8	27.1	27.1	27.1	27.2	27.2	27.3
GE 8000	16.1	16.5	21.2	22.7	25.3	26.0	26.9	27.5	28.3	29.2	29.6	29.6	29.6	29.7	29.7	29.8
GE 7000	16.8	17.1	21.9	23.4	26.2	27.0	27.8	28.5	29.2	30.2	30.5	30.5	30.5	30.6	30.6	30.8
GE 6000	16.9	17.2	22.0	23.7	26.5	27.2	28.1	28.7	29.5	30.4	30.8	30.8	30.8	30.9	30.9	31.0
GE 5000	17.2	17.5	22.7	24.3	27.1	27.8	28.7	29.4	30.2	31.3	31.6	31.6	31.6	31.7	31.7	31.8
GE 4500	18.0	18.3	23.5	25.3	28.2	28.9	29.9	30.5	31.4	32.5	32.8	32.8	32.8	32.9	32.9	33.0
GE 4000	19.2	19.6	25.2	27.1	30.5	31.5	32.7	33.3	34.2	35.6	35.9	35.9	35.9	36.0	36.0	36.1
GE 3500	22.8	23.2	28.8	31.2	34.6	35.6	36.8	37.4	38.3	39.8	40.1	40.1	40.1	40.2	40.2	40.3
GE 3000	28.8	29.2	36.1	38.6	42.2	43.2	44.6	45.4	46.3	48.0	48.3	48.3	48.3	48.4	48.4	48.5
GE 2500	32.9	33.3	40.6	43.1	47.1	48.4	50.0	50.8	51.8	53.5	53.9	53.9	53.9	54.0	54.0	54.1
GE 2000	36.8	37.3	45.6	48.5	53.0	54.4	56.1	57.2	58.3	60.3	60.8	60.8	60.8	60.9	60.9	61.0
GE 1800	37.6	38.2	47.0	49.9	54.4	55.9	57.6	58.8	59.9	61.9	62.4	62.4	62.4	62.5	62.5	62.6
GE 1500	43.5	44.2	55.2	58.7	64.9	66.5	68.4	69.7	70.8	73.0	73.4	73.4	73.4	73.5	73.9	74.0
GE 1200	45.4	46.0	57.8	61.8	69.0	70.9	72.8	74.3	76.0	78.3	79.0	79.0	79.0	79.1	79.5	79.6
GE 1000	46.8	47.4	59.6	64.0	72.3	74.2	76.2	78.0	80.4	83.2	84.0	84.0	84.0	84.2	84.5	84.6
GE 900	47.1	47.7	60.8	65.2	74.0	76.6	78.6	80.3	82.8	85.7	86.6	86.6	86.6	86.8	87.1	87.2
GE 800	47.2	47.8	60.9	65.4	74.7	77.3	79.6	81.6	84.2	87.2	88.2	88.2	88.2	88.4	88.7	88.8
GE 700	47.3	48.0	61.1	65.9	75.8	78.8	81.1	83.4	86.0	89.9	90.9	91.0	91.0	91.2	91.5	91.6
GE 600	47.3	48.0	61.3	66.5	77.1	80.2	83.1	85.6	88.2	92.4	93.5	93.7	93.7	94.0	94.3	94.4
GE 500	47.4	48.1	61.5	66.7	77.7	81.0	83.9	86.3	89.2	94.2	95.4	95.5	95.5	95.8	96.1	96.2
GE 400	47.4	48.1	61.5	66.7	77.7	81.0	83.9	86.5	89.4	94.4	96.3	96.7	96.8	97.2	97.5	97.6
GE 300	47.4	48.1	61.5	66.7	77.7	81.0	83.9	86.8	90.0	95.1	97.1	97.4	97.5	98.1	98.4	98.5
GE 200	47.4	48.1	61.5	66.7	77.7	81.0	83.9	86.8	90.0	95.1	97.1	97.4	97.5	98.5	99.6	99.8
GE 100	47.4	48.1	61.5	66.7	77.7	81.0	83.9	86.8	90.0	95.1	97.1	97.4	97.5	98.5	99.6	100.0
GE 000	47.4	48.1	61.5	66.7	77.7	81.0	83.9	86.8	90.0	95.1	97.1	97.4	97.5	98.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.5	10.5	14.6	14.8	16.9	17.7	18.7	19.2	19.6	19.9	19.9	19.9	19.9	20.0	20.0	20.0
GE 20000	13.8	13.9	18.5	18.7	21.2	22.2	23.2	23.9	24.4	24.9	24.9	24.9	24.9	25.1	25.1	25.1
GE 18000	13.9	14.0	18.6	18.8	21.3	22.3	23.3	24.0	24.5	25.1	25.1	25.1	25.1	25.2	25.2	25.2
GE 16000	13.9	14.0	18.6	18.8	21.3	22.3	23.3	24.0	24.5	25.1	25.1	25.1	25.1	25.2	25.2	25.2
GE 14000	14.0	14.1	18.7	18.9	21.4	22.4	23.4	24.1	24.6	25.2	25.2	25.2	25.2	25.3	25.3	25.3
GE 12000	14.1	14.2	18.8	19.0	21.8	22.8	23.9	24.5	25.1	25.6	25.6	25.6	25.6	25.7	25.7	25.7
GE 10000	16.7	16.8	21.7	22.0	24.9	25.9	27.1	27.7	28.3	28.9	28.9	28.9	28.9	29.0	29.0	29.0
GE 9000	17.4	17.5	22.5	22.8	25.7	26.7	27.8	28.5	29.0	29.7	29.7	29.7	29.7	29.8	29.8	29.8
GE 8000	18.3	18.5	24.1	24.4	27.7	28.7	30.0	30.8	31.3	32.0	32.0	32.0	32.0	32.2	32.2	32.2
GE 7000	18.9	19.1	24.8	25.2	28.6	29.6	30.9	31.6	32.2	32.9	32.9	32.9	32.9	33.0	33.0	33.0
GE 6000	19.0	19.2	24.9	25.3	28.7	29.7	31.0	31.7	32.3	33.0	33.0	33.0	33.0	33.1	33.1	33.1
GE 5000	20.6	20.9	26.8	27.1	30.8	31.7	33.1	33.9	34.7	35.5	35.5	35.5	35.5	35.6	35.6	35.6
GE 4500	21.8	22.0	28.2	28.5	32.2	33.4	34.8	35.6	36.5	37.2	37.2	37.2	37.2	37.3	37.3	37.3
GE 4000	23.5	23.8	29.9	30.5	34.2	35.5	36.9	37.6	38.5	39.2	39.2	39.2	39.2	39.4	39.4	39.4
GE 3500	24.7	24.9	31.7	32.5	36.1	37.4	38.8	39.6	40.4	41.3	41.3	41.3	41.3	41.4	41.4	41.4
GE 3000	31.9	32.5	41.7	42.9	47.0	48.5	50.0	50.9	51.7	52.6	52.7	52.7	52.8	52.9	52.9	52.9
GE 2500	35.6	36.2	45.8	47.3	51.4	52.9	54.5	55.8	56.7	57.8	58.0	58.0	58.1	58.2	58.2	58.2
GE 2000	40.0	40.6	51.2	53.1	57.8	59.5	61.2	62.6	63.7	64.9	65.1	65.1	65.2	65.3	65.3	65.3
GE 1800	41.7	42.4	53.5	55.5	60.3	61.9	63.7	65.1	66.1	67.4	67.5	67.5	67.6	67.7	67.7	67.7
GE 1500	45.6	46.3	59.0	61.3	67.0	68.9	70.6	72.2	73.2	74.6	74.8	74.9	75.1	75.2	75.3	75.3
GE 1200	48.0	48.8	62.2	64.4	71.5	74.2	75.9	77.6	79.0	80.4	81.0	81.1	81.2	81.3	81.4	81.4
GE 1000	48.8	49.7	63.2	65.6	74.1	77.3	79.1	80.9	82.8	85.2	85.7	85.8	85.9	86.0	86.1	86.1
GE 900	49.1	50.0	63.8	66.2	75.5	79.1	81.0	82.7	84.6	87.4	88.1	88.2	88.3	88.4	88.5	88.5
GE 800	49.1	50.0	64.2	66.8	76.2	79.9	81.7	83.7	86.0	89.1	89.8	90.0	90.1	90.2	90.3	90.3
GE 700	49.1	50.0	64.2	66.8	77.0	81.5	83.3	85.5	87.8	91.7	92.8	93.1	93.4	93.5	93.7	93.7
GE 600	49.1	50.0	64.3	67.1	78.0	82.5	84.3	86.6	88.9	93.3	94.5	94.8	95.2	95.3	95.4	95.4
GE 500	49.1	50.0	64.3	67.1	78.4	83.0	84.9	87.2	90.0	94.9	96.1	96.5	96.9	97.3	97.4	97.4
GE 400	49.1	50.0	64.3	67.1	78.4	83.0	84.9	87.2	90.0	95.1	96.9	97.4	97.8	98.3	98.4	98.4
GE 300	49.1	50.0	64.3	67.1	78.4	83.0	85.2	87.4	90.2	95.6	97.4	98.2	98.7	99.1	99.2	99.2
GE 200	49.1	50.0	64.3	67.1	78.4	83.0	85.2	87.4	90.2	95.6	97.6	98.4	98.9	99.6	100.0	100.0
GE 100	49.1	50.0	64.3	67.1	78.4	83.0	85.2	87.4	90.2	95.6	97.6	98.4	98.9	99.6	100.0	100.0
GE 000	49.1	50.0	64.3	67.1	78.4	83.0	85.2	87.4	90.2	95.6	97.6	98.4	98.9	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.7	11.8	15.2	16.2	18.5	19.0	20.2	21.1	21.4	21.5	22.2	22.2	22.2	22.2	22.4	22.4
GE 20000	12.6	12.7	16.8	18.1	20.3	21.1	22.3	23.2	23.9	24.2	24.9	24.9	24.9	25.1	25.3	25.3
GE 18000	12.6	12.7	16.8	18.1	20.3	21.1	22.3	23.2	23.9	24.2	24.9	24.9	24.9	25.1	25.3	25.3
GE 16000	12.6	12.7	16.8	18.1	20.3	21.1	22.3	23.2	23.9	24.2	24.9	24.9	24.9	25.1	25.3	25.3
GE 14000	12.6	12.7	16.8	18.1	20.3	21.1	22.3	23.2	23.9	24.2	24.9	24.9	24.9	25.1	25.3	25.3
GE 12000	12.8	12.9	17.0	18.3	20.9	21.6	22.8	23.8	24.4	24.7	25.5	25.5	25.5	25.6	25.8	25.8
GE 10000	14.4	14.5	19.2	20.5	23.1	23.9	25.1	26.1	26.8	27.1	27.8	27.8	27.8	28.0	28.2	28.2
GE 9000	14.9	15.3	20.0	21.3	23.9	24.6	25.8	26.9	27.5	27.8	28.6	28.6	28.6	28.7	28.9	28.9
GE 8000	16.8	17.1	22.4	23.9	26.7	27.5	28.9	30.0	30.9	31.4	32.2	32.2	32.2	32.3	32.5	32.5
GE 7000	17.0	17.3	22.6	24.2	27.1	28.0	29.5	30.5	31.4	31.9	32.7	32.7	32.7	32.8	33.0	33.0
GE 6000	17.1	17.4	22.7	24.3	27.3	28.2	29.7	30.8	31.6	32.2	32.9	32.9	32.9	33.0	33.2	33.2
GE 5000	18.2	18.5	24.0	25.6	28.7	29.6	31.2	32.3	33.7	34.3	35.1	35.1	35.1	35.2	35.4	35.4
GE 4500	20.4	20.8	26.8	28.4	31.5	32.4	34.0	35.1	36.5	37.1	37.8	37.8	37.8	38.0	38.2	38.2
GE 4000	23.9	24.2	30.3	32.0	35.4	36.6	38.2	39.2	40.6	41.3	42.0	42.0	42.0	42.2	42.4	42.4
GE 3500	26.6	27.0	33.4	35.3	38.8	40.1	41.7	42.8	44.2	44.9	45.7	45.7	45.7	45.8	46.0	46.0
GE 3000	30.6	31.1	38.6	40.9	45.1	46.6	48.3	49.6	51.0	51.9	52.7	52.7	52.8	52.9	53.1	53.1
GE 2500	34.8	35.4	43.7	46.2	50.6	52.4	54.1	55.6	57.1	58.1	58.8	58.8	58.9	59.0	59.2	59.2
GE 2000	39.7	40.2	49.2	52.4	58.1	59.9	61.6	63.3	64.8	66.1	66.9	66.9	67.0	67.1	67.3	67.3
GE 1800	40.3	40.9	50.4	53.5	59.7	61.5	63.2	64.9	66.5	67.7	68.5	68.5	68.6	68.7	68.9	68.9
GE 1500	43.5	44.3	54.8	58.0	65.1	67.4	69.2	71.1	73.0	74.3	75.3	75.3	75.4	75.5	75.7	75.7
GE 1200	45.5	46.5	58.1	61.4	70.0	72.8	74.6	76.5	78.6	80.2	81.2	81.2	81.3	81.4	81.6	81.6
GE 1000	46.1	47.1	59.0	62.6	72.5	75.5	77.4	79.8	81.9	84.5	85.5	85.5	85.6	85.7	85.9	85.9
GE 900	46.3	47.3	59.5	63.2	73.4	77.2	79.1	81.7	84.0	87.2	88.3	88.3	88.4	88.5	88.7	88.7
GE 800	46.5	47.4	59.6	63.4	73.9	77.8	79.9	82.5	84.8	88.1	89.2	89.6	89.7	89.8	90.0	90.0
GE 700	46.5	47.4	59.6	63.5	74.6	79.0	81.2	83.8	86.3	90.4	92.5	92.8	92.9	93.0	93.2	93.2
GE 600	46.5	47.4	59.6	63.5	74.7	79.2	81.5	84.1	86.8	91.5	93.5	93.9	94.0	94.1	94.3	94.3
GE 500	46.5	47.4	59.6	63.5	74.9	79.8	82.0	84.7	87.6	92.8	94.8	95.3	95.4	95.8	96.0	96.0
GE 400	46.5	47.4	59.6	63.5	74.9	79.8	82.4	85.4	88.7	94.2	96.6	97.4	97.5	98.0	98.2	98.2
GE 300	46.5	47.4	59.6	63.5	74.9	79.8	82.5	85.5	88.9	94.8	97.3	98.2	98.5	98.9	99.1	99.1
GE 200	46.5	47.4	59.6	63.5	74.9	79.8	82.5	85.5	88.9	94.9	97.6	98.5	98.8	99.5	99.9	99.9
GE 100	46.5	47.4	59.6	63.5	74.9	79.8	82.5	85.5	88.9	94.9	97.7	98.6	98.9	99.6	100.0	100.0
GE 000	46.5	47.4	59.6	63.5	74.9	79.8	82.5	85.5	88.9	94.9	97.7	98.6	98.9	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.2	10.2	13.7	14.2	16.5	17.2	18.3	19.6	20.1	20.8	21.2	21.2	21.3	21.6	21.7	21.7
GE 20000	11.3	11.4	15.1	15.6	18.0	18.7	19.8	21.1	21.9	22.6	23.3	23.3	23.4	23.8	23.9	23.9
GE 13000	11.3	11.4	15.1	15.6	18.0	18.7	19.8	21.1	21.9	22.6	23.3	23.3	23.4	23.8	23.9	23.9
GE 16000	11.3	11.4	15.1	15.6	18.0	18.7	19.8	21.1	21.9	22.6	23.3	23.3	23.4	23.8	23.9	23.9
GE 14000	11.3	11.4	15.1	15.6	18.0	18.7	19.8	21.1	21.9	22.6	23.3	23.3	23.4	23.8	23.9	23.9
GE 12000	11.3	11.4	15.1	15.6	18.1	18.8	19.9	21.2	22.0	22.7	23.4	23.4	23.5	23.9	24.0	24.0
GE 10000	12.6	12.7	16.7	17.6	20.2	21.0	22.0	23.3	24.2	24.8	25.6	25.6	25.7	26.0	26.1	26.1
GE 9000	13.0	13.1	17.2	18.2	20.8	21.5	22.6	23.9	24.7	25.4	26.1	26.1	26.2	26.6	26.7	26.7
GE 8000	13.7	13.9	18.1	19.0	21.6	22.5	23.7	25.2	26.0	26.7	27.4	27.4	27.5	27.8	28.0	28.0
GE 7000	14.1	14.3	18.5	19.5	22.0	23.0	24.2	25.7	26.6	27.2	28.0	28.0	28.1	28.4	28.5	28.5
GE 6000	14.2	14.4	18.6	19.6	22.2	23.2	24.4	26.0	26.9	27.5	28.3	28.3	28.4	28.7	28.8	28.8
GE 5000	15.9	16.1	20.5	21.5	24.2	25.5	26.7	28.3	29.4	30.2	31.1	31.1	31.2	31.5	31.6	31.6
GE 4500	19.1	19.4	24.2	25.3	28.2	30.3	31.5	33.1	34.2	35.1	35.9	35.9	36.1	36.5	36.6	36.8
GE 4000	22.9	23.2	28.1	29.1	32.3	34.6	35.9	37.6	38.7	39.6	40.4	40.4	40.6	41.0	41.1	41.3
GE 3500	25.1	25.4	30.5	31.6	34.8	37.2	38.5	40.2	41.3	42.3	43.1	43.1	43.4	43.8	43.9	44.1
GE 3000	30.2	31.2	37.0	38.3	42.2	44.7	46.1	48.0	49.0	50.4	51.3	51.4	51.7	52.0	52.2	52.4
GE 2500	35.7	36.8	43.2	45.1	49.4	51.9	53.3	55.7	56.8	58.2	59.0	59.1	59.5	59.8	59.9	60.1
GE 2000	39.7	40.8	47.8	50.1	55.1	57.7	59.4	62.2	63.3	65.2	66.1	66.2	66.7	67.0	67.1	67.3
GE 1800	40.2	41.3	48.8	51.1	56.0	58.7	60.4	63.2	64.4	66.2	67.2	67.3	67.7	68.1	68.2	68.4
GE 1500	43.8	44.8	53.2	55.5	62.0	64.7	66.5	69.8	71.3	73.1	74.1	74.2	74.6	74.9	75.1	75.3
GE 1200	45.5	46.7	56.9	59.8	66.9	69.7	71.6	74.9	76.7	78.8	79.9	80.0	80.4	80.8	80.9	81.1
GE 1000	46.0	47.2	57.5	60.6	68.7	71.5	73.7	77.3	79.1	81.7	82.9	83.0	83.4	83.8	83.9	84.1
GE 900	46.2	47.4	58.7	62.0	70.4	73.7	76.0	79.7	81.6	84.5	85.9	86.1	86.6	86.9	87.0	87.2
GE 800	46.7	47.8	59.1	62.6	71.2	74.6	77.1	80.9	82.8	86.0	87.5	88.0	88.6	88.9	89.0	89.2
GE 700	46.7	47.8	59.2	62.8	72.0	75.8	78.8	82.6	84.6	88.7	90.5	91.0	91.6	91.9	92.0	92.3
GE 600	46.7	47.8	59.2	62.8	72.4	76.2	79.2	83.0	85.3	89.9	91.8	92.3	92.9	93.2	93.3	93.5
GE 500	46.7	47.8	59.4	62.9	72.6	76.8	80.1	84.0	86.2	91.1	93.0	93.4	94.1	94.6	94.7	94.9
GE 400	46.9	48.1	59.6	63.1	72.8	77.0	80.5	84.7	87.7	92.8	95.1	95.5	96.1	96.7	96.8	97.0
GE 300	46.9	48.1	59.6	63.1	72.8	77.0	80.8	85.1	88.1	94.0	96.2	96.8	97.4	98.0	98.1	98.3
GE 200	46.9	48.1	59.6	63.1	72.8	77.0	80.8	85.1	88.4	94.3	96.7	97.2	98.0	99.1	99.5	99.7
GE 100	46.9	48.1	59.6	63.1	72.8	77.0	80.8	85.1	88.4	94.3	96.7	97.2	98.1	99.2	99.7	99.9
GE 000	46.9	48.1	59.6	63.1	72.8	77.0	80.8	85.1	88.4	94.3	96.7	97.2	98.1	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.4	10.5	13.6	14.1	16.0	16.6	17.7	18.7	19.3	20.0	20.5	20.5	20.5	20.7	20.9	20.9
GE 20000	12.2	12.3	15.8	16.3	18.5	19.2	20.3	21.4	22.1	22.9	23.5	23.5	23.5	23.7	23.9	23.9
GE 18000	12.2	12.3	15.8	16.3	18.5	19.2	20.3	21.4	22.1	22.9	23.5	23.5	23.5	23.7	23.9	23.9
GE 16000	12.2	12.3	15.8	16.3	18.5	19.2	20.3	21.4	22.1	22.9	23.5	23.5	23.5	23.7	23.9	23.9
GE 14000	12.2	12.4	15.8	16.3	18.6	19.2	20.4	21.5	22.2	22.9	23.5	23.5	23.6	23.8	24.0	24.0
GE 12000	12.3	12.5	15.9	16.4	18.8	19.5	20.6	21.7	22.4	23.1	23.7	23.7	23.8	24.0	24.2	24.2
GE 10000	13.5	13.6	17.3	18.0	20.4	21.1	22.2	23.4	24.1	24.9	25.5	25.5	25.5	25.7	25.9	25.9
GE 9000	14.0	14.2	17.9	18.6	21.0	21.7	22.9	24.0	24.7	25.5	26.1	26.1	26.2	26.4	26.5	26.6
GE 8000	15.2	15.4	19.5	20.3	22.9	23.6	24.9	26.0	26.8	27.6	28.2	28.2	28.3	28.5	28.6	28.7
GE 7000	15.4	15.7	19.8	20.6	23.3	24.1	25.3	26.5	27.3	28.1	28.7	28.7	28.8	29.0	29.1	29.2
GE 6000	15.6	15.9	20.0	20.8	23.6	24.3	25.6	26.8	27.5	28.3	29.0	29.0	29.0	29.2	29.4	29.4
GE 5000	16.9	17.2	21.6	22.4	25.3	26.1	27.4	28.6	29.5	30.4	31.0	31.0	31.1	31.2	31.4	31.4
GE 4500	18.6	19.0	23.6	24.5	27.4	28.5	29.8	31.0	31.9	32.8	33.5	33.5	33.6	33.8	33.9	34.0
GE 4000	20.8	21.2	26.0	27.2	30.5	31.8	33.1	34.4	35.4	36.3	37.0	37.0	37.1	37.3	37.5	37.5
GE 3500	23.2	23.6	28.7	30.0	33.6	34.9	36.4	37.7	38.7	39.7	40.4	40.4	40.5	40.7	40.9	40.9
GE 3000	28.8	29.4	35.7	37.4	41.5	42.9	44.5	45.9	46.9	48.2	48.9	48.9	49.0	49.2	49.4	49.4
GE 2500	32.3	32.9	39.7	41.6	46.3	47.8	49.5	51.1	52.2	53.5	54.2	54.2	54.3	54.5	54.7	54.8
GE 2000	36.8	37.5	45.1	47.3	52.8	54.4	56.3	58.1	59.3	60.8	61.6	61.6	61.7	61.9	62.1	62.1
GE 1800	37.7	38.4	46.3	48.5	54.1	55.8	57.7	59.5	60.7	62.2	63.0	63.0	63.1	63.3	63.5	63.5
GE 1500	41.8	42.6	51.7	54.2	60.8	62.7	64.7	66.8	68.2	69.8	70.6	70.6	70.8	71.0	71.2	71.2
GE 1200	44.3	45.1	55.4	58.2	65.7	67.9	70.2	72.5	74.1	76.0	77.0	77.0	77.2	77.4	77.6	77.7
GE 1000	45.7	46.5	57.4	60.3	68.8	71.3	73.9	76.5	78.4	80.9	82.1	82.1	82.3	82.5	82.7	82.8
GE 900	46.1	47.0	58.6	61.7	70.5	73.4	76.1	78.8	80.8	83.6	84.9	85.0	85.1	85.3	85.6	85.6
GE 800	46.4	47.3	59.3	62.5	71.6	74.7	77.6	80.6	82.7	85.7	87.0	87.2	87.4	87.6	87.8	87.8
GE 700	46.5	47.4	59.5	62.7	72.5	75.9	78.9	82.0	84.2	87.9	89.5	89.7	89.9	90.1	90.4	90.4
GE 600	46.5	47.4	59.6	63.0	73.2	76.8	80.1	83.4	85.7	89.8	91.6	91.8	92.0	92.2	92.5	92.5
GE 500	46.5	47.4	59.7	63.0	73.6	77.3	80.7	84.3	86.9	91.4	93.3	93.5	93.8	94.1	94.4	94.5
GE 400	46.6	47.5	59.7	63.1	73.7	77.6	81.1	84.9	87.7	92.6	94.9	95.3	95.6	96.0	96.2	96.4
GE 300	46.6	47.5	59.7	63.1	73.7	77.6	81.2	85.3	88.2	93.5	96.0	96.4	96.9	97.3	97.6	97.7
GE 200	46.6	47.5	59.7	63.1	73.7	77.6	81.2	85.3	88.3	93.7	96.3	96.9	97.4	98.3	99.2	99.5
GE 100	46.6	47.5	59.7	63.1	73.7	77.6	81.2	85.3	88.3	93.7	96.4	96.9	97.5	98.4	99.4	99.9
GE 000	46.6	47.5	59.7	63.1	73.7	77.6	81.2	85.3	88.3	93.7	96.4	97.0	97.5	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.4	23.9	27.8	28.5	34.6	36.5	36.9	38.3	39.2	40.5	41.3	41.5	41.6	41.7	42.2	42.4
GE 20000	24.6	25.1	29.6	30.4	37.8	40.0	40.6	42.0	43.0	44.4	45.3	45.5	45.6	45.8	46.5	46.8
GE 18000	24.6	25.1	29.6	30.4	37.8	40.0	40.6	42.0	43.0	44.4	45.3	45.5	45.6	45.8	46.5	46.8
GE 16000	24.6	25.1	29.6	30.4	37.8	40.0	40.6	42.0	43.0	44.4	45.3	45.5	45.6	45.8	46.5	46.8
GE 14000	24.9	25.3	29.8	30.6	38.0	40.3	40.9	42.3	43.2	44.6	45.6	45.7	45.8	46.1	46.8	47.0
GE 12000	25.1	25.6	30.0	30.9	38.3	40.5	41.1	42.5	43.5	44.9	45.8	45.9	46.1	46.3	47.0	47.2
GE 10000	25.8	26.4	31.3	32.3	39.7	41.9	42.5	43.9	44.9	46.3	47.2	47.3	47.5	47.7	48.4	48.6
GE 9000	26.1	26.7	31.7	32.6	40.0	42.3	42.9	44.3	45.6	47.0	47.9	48.1	48.2	48.4	49.1	49.4
GE 8000	26.5	27.1	32.2	33.1	40.6	42.9	43.5	44.9	46.2	47.6	48.5	48.6	48.8	49.1	49.8	50.2
GE 7000	26.9	27.4	32.5	33.5	41.1	43.3	43.9	45.3	46.6	48.1	49.0	49.1	49.2	49.6	50.3	50.6
GE 6000	26.9	27.4	32.5	33.5	41.1	43.3	43.9	45.3	46.6	48.1	49.0	49.1	49.2	49.6	50.3	50.6
GE 5000	27.2	27.8	32.9	34.3	42.0	44.3	44.9	46.3	47.6	49.0	49.9	50.1	50.2	50.5	51.2	51.6
GE 4500	29.4	30.0	35.7	37.1	45.2	47.5	48.2	49.6	50.9	52.3	53.6	53.7	53.8	54.2	54.9	55.2
GE 4000	31.7	32.4	38.4	39.8	48.4	50.6	51.4	52.8	54.1	55.5	56.8	56.9	57.0	57.4	58.1	58.4
GE 3500	32.6	33.5	39.6	41.0	49.7	51.9	52.7	54.1	55.4	56.8	58.2	58.3	58.4	58.8	59.5	59.8
GE 3000	35.5	36.4	43.9	45.9	54.9	57.4	58.1	59.6	60.9	62.3	63.7	63.8	64.0	64.4	65.1	65.5
GE 2500	38.9	39.8	48.1	50.4	59.6	62.2	63.1	65.1	66.4	67.8	69.3	69.4	69.5	70.0	70.7	71.0
GE 2000	41.0	42.4	51.8	54.2	64.0	66.7	67.7	70.2	71.5	72.9	74.3	74.7	74.8	75.3	76.0	76.3
GE 1800	41.5	42.9	52.4	54.9	64.7	67.4	68.4	70.9	72.2	73.6	75.0	75.4	75.5	76.0	76.7	77.0
GE 1500	43.0	44.6	54.3	57.1	67.5	70.2	71.7	74.4	76.2	77.6	79.0	79.4	79.5	80.0	80.7	81.0
GE 1200	44.4	46.2	56.5	59.6	70.8	73.9	75.7	79.2	80.9	82.6	84.6	85.0	85.2	85.6	86.3	86.7
GE 1000	44.9	46.6	57.6	61.0	72.7	75.9	77.7	81.5	83.4	85.3	87.4	87.9	88.0	88.5	89.2	89.5
GE 900	44.9	46.6	57.6	61.1	73.1	76.3	78.6	82.7	84.7	86.8	89.2	89.6	89.8	90.2	90.9	91.3
GE 800	45.2	47.0	58.4	62.4	74.7	77.9	80.1	84.9	86.9	89.5	92.3	92.8	93.1	93.5	94.2	94.6
GE 700	45.2	47.0	58.4	62.4	74.7	78.1	80.3	85.5	87.6	90.5	93.6	94.1	94.3	94.8	95.5	95.9
GE 600	45.2	47.0	58.4	62.5	74.9	78.3	80.6	86.2	88.3	91.3	94.5	94.9	95.2	95.6	96.3	96.7
GE 500	45.2	47.0	58.4	62.5	75.0	78.7	81.3	86.9	89.0	92.0	95.3	95.8	96.0	96.5	97.2	97.5
GE 400	45.2	47.0	58.4	62.5	75.0	78.7	82.0	87.6	90.2	93.5	96.8	97.3	97.5	98.1	98.8	99.2
GE 300	45.2	47.0	58.4	62.5	75.0	78.7	82.0	87.6	90.2	93.8	97.1	97.5	97.8	98.4	99.1	99.4
GE 200	45.2	47.0	58.4	62.5	75.0	78.7	82.0	87.6	90.2	94.0	97.5	98.0	98.2	98.8	99.5	99.9
GE 100	45.2	47.0	58.4	62.5	75.0	78.7	82.0	87.6	90.2	94.0	97.5	98.0	98.2	98.8	99.5	99.9
GE 000	45.2	47.0	58.4	62.5	75.0	78.7	82.0	87.6	90.2	94.0	97.5	98.0	98.2	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.3	18.5	23.7	23.7	29.1	29.9	31.7	33.1	33.1	34.7	36.3	36.5	36.5	36.5	37.1	37.3
GE 20000	20.7	21.0	26.3	26.6	33.0	34.4	36.3	37.7	37.7	39.6	41.1	41.5	41.5	41.5	42.0	42.3
GE 18000	20.7	21.0	26.3	26.6	33.0	34.4	36.3	37.7	37.7	39.6	41.1	41.5	41.5	41.5	42.0	42.3
GE 16000	20.7	21.0	26.3	26.6	33.0	34.4	36.3	37.7	37.7	39.6	41.1	41.5	41.5	41.5	42.0	42.3
GE 14000	21.1	21.3	26.6	27.0	33.3	34.7	36.6	38.0	38.0	39.9	41.5	41.8	41.8	41.8	42.4	42.6
GE 12000	21.2	21.4	26.7	27.1	33.5	34.9	36.7	38.2	38.2	40.0	41.6	41.9	41.9	41.9	42.5	42.8
GE 10000	21.4	21.7	27.2	27.6	33.9	35.3	37.2	38.6	38.6	40.5	42.0	42.4	42.4	42.4	43.0	43.2
GE 9000	21.7	21.9	27.4	27.8	34.2	35.6	37.5	38.9	39.2	41.1	42.6	43.0	43.0	43.0	43.6	43.8
GE 8000	22.4	22.6	28.2	28.5	34.9	36.3	38.2	39.6	39.9	41.8	43.3	43.7	43.7	43.7	44.3	44.5
GE 7000	22.6	22.9	28.4	28.7	35.1	36.5	38.4	39.8	40.2	42.0	43.6	43.9	43.9	43.9	44.5	44.8
GE 6000	22.7	23.0	28.5	28.9	35.2	36.6	38.5	39.9	40.3	42.2	43.7	44.1	44.1	44.1	44.6	44.9
GE 5000	23.3	23.6	29.3	29.7	36.0	37.6	39.6	41.0	41.3	43.2	44.8	45.1	45.1	45.1	45.7	45.9
GE 4500	24.7	25.0	31.2	31.6	38.3	39.8	41.8	43.3	43.7	45.7	47.2	47.6	47.6	47.7	48.3	48.5
GE 4000	27.1	27.3	34.0	34.5	41.5	43.0	45.1	46.6	47.0	49.1	50.6	51.0	51.0	51.1	51.7	51.9
GE 3500	28.4	28.6	35.7	36.4	43.9	45.5	47.6	49.1	49.5	51.7	53.6	53.9	53.9	54.1	54.7	54.9
GE 3000	33.2	33.6	41.3	42.3	51.4	53.0	55.1	56.7	57.0	59.2	61.1	61.5	61.5	61.6	62.2	62.4
GE 2500	37.2	37.7	46.1	47.2	56.3	58.0	60.1	61.6	62.0	64.2	66.1	66.4	66.4	66.5	67.1	67.4
GE 2000	39.7	40.3	49.6	51.1	60.8	62.7	64.9	66.9	67.3	69.5	71.4	71.7	71.7	71.8	72.4	72.7
GE 1800	39.9	40.5	49.9	51.6	61.2	63.1	65.4	67.4	67.7	70.0	71.8	72.2	72.2	72.3	72.9	73.1
GE 1500	41.6	42.2	52.1	53.9	63.6	65.8	68.4	70.4	71.0	73.5	75.4	75.7	75.7	75.9	76.4	76.7
GE 1200	42.9	43.6	54.9	57.6	68.0	70.7	73.6	75.9	76.4	79.2	81.2	81.7	81.7	81.9	82.4	82.7
GE 1000	43.5	44.2	55.6	58.5	69.7	72.6	76.2	79.5	80.4	83.2	85.5	86.1	86.1	86.2	86.8	87.0
GE 900	43.8	44.5	56.3	59.2	70.6	73.4	77.3	80.8	81.7	85.2	87.5	88.1	88.1	88.2	88.8	89.0
GE 800	44.1	44.8	57.5	60.7	72.2	75.1	79.2	82.9	83.9	88.0	90.3	90.9	90.9	91.0	91.6	91.9
GE 700	44.1	44.8	57.5	60.9	72.4	75.4	79.4	83.4	84.3	88.8	91.3	91.9	91.9	92.0	92.6	92.8
GE 600	44.1	44.8	57.5	61.0	72.8	75.7	79.7	83.9	85.2	89.6	92.1	92.7	92.7	92.8	93.4	93.6
GE 500	44.1	44.8	57.5	61.0	73.1	76.2	80.8	85.0	86.6	91.6	94.5	95.1	95.1	95.2	95.8	96.0
GE 400	44.1	44.8	57.5	61.0	73.3	76.3	81.0	85.4	86.9	92.5	95.6	96.2	96.2	96.3	97.1	97.3
GE 300	44.1	44.8	57.5	61.0	73.3	76.3	81.2	85.5	87.2	92.8	96.0	96.6	96.6	96.8	97.5	97.8
GE 200	44.1	44.8	57.5	61.0	73.3	76.4	81.3	85.6	87.3	93.6	97.1	97.8	97.8	98.1	98.9	99.3
GE 100	44.1	44.8	57.5	61.0	73.3	76.4	81.3	85.6	87.3	93.6	97.1	97.8	97.8	98.1	98.9	99.3
GE 000	44.1	44.8	57.5	61.0	73.3	76.4	81.3	85.6	87.3	93.6	97.3	98.0	98.0	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.1	14.4	19.6	20.3	24.3	25.7	27.6	28.7	29.1	30.5	31.4	31.4	31.6	31.6	32.2	32.4
GE 20000	16.1	16.4	21.9	22.7	26.9	28.6	30.5	31.7	32.0	33.7	34.7	35.1	35.2	35.2	35.8	36.0
GE 18000	16.3	16.5	22.0	22.9	27.0	28.7	30.6	31.8	32.2	33.8	34.9	35.2	35.3	35.3	35.9	36.2
GE 16000	16.3	16.5	22.0	22.9	27.0	28.7	30.6	31.8	32.2	33.8	34.9	35.2	35.3	35.3	35.9	36.2
GE 14000	16.6	16.8	22.4	23.2	27.3	29.1	31.0	32.2	32.5	34.2	35.2	35.6	35.7	35.7	36.3	36.5
GE 12000	16.6	16.8	22.4	23.2	27.3	29.1	31.0	32.2	32.5	34.3	35.3	35.7	35.8	35.8	36.4	36.6
GE 10000	17.1	17.3	23.1	23.9	28.3	30.2	32.0	33.3	33.7	35.6	36.6	37.0	37.1	37.1	37.7	37.9
GE 9000	17.6	17.8	23.8	24.6	29.0	30.9	32.7	34.2	34.7	36.6	37.7	38.0	38.2	38.2	38.8	39.0
GE 8000	18.5	18.8	24.9	25.7	30.2	32.2	34.2	35.6	36.2	38.2	39.2	39.6	39.7	39.7	40.3	40.5
GE 7000	18.5	18.8	25.4	26.3	30.7	32.7	34.7	36.2	36.7	38.8	39.8	40.2	40.3	40.3	40.9	41.1
GE 6000	18.6	19.0	25.6	26.4	30.9	32.9	34.9	36.3	36.9	38.9	39.9	40.3	40.4	40.4	41.0	41.2
GE 5000	19.6	19.9	26.5	27.3	31.8	33.9	36.2	37.6	38.2	40.2	41.2	41.7	41.8	41.8	42.4	42.6
GE 4500	20.6	21.0	27.8	28.6	33.6	35.7	38.0	39.7	40.3	42.3	43.3	43.8	43.9	43.9	44.5	44.8
GE 4000	22.4	22.9	29.8	30.6	35.7	37.9	40.6	42.3	42.9	44.9	45.9	46.4	46.5	46.5	47.1	47.3
GE 3500	24.3	24.7	32.6	33.6	38.9	41.1	44.1	45.7	46.4	48.4	49.6	50.1	50.2	50.2	50.8	51.0
GE 3000	28.4	29.0	38.5	39.7	45.5	47.9	51.1	52.8	53.5	55.5	56.7	57.1	57.2	57.2	57.8	58.1
GE 2500	32.0	32.7	42.9	44.3	50.8	53.5	56.8	58.7	59.4	61.4	62.5	63.0	63.1	63.1	63.7	64.0
GE 2000	35.3	36.0	48.4	50.2	57.0	59.8	63.5	65.5	66.2	68.2	69.4	69.8	70.0	70.0	70.6	70.8
GE 1800	35.6	36.3	48.6	50.6	57.8	60.8	64.4	66.7	67.4	69.4	70.6	71.0	71.1	71.1	71.7	72.0
GE 1500	38.0	39.0	51.7	53.9	61.7	65.5	69.6	72.2	72.9	75.5	76.7	77.1	77.3	77.3	77.9	78.1
GE 1200	38.8	39.7	53.7	56.3	65.1	69.1	73.5	76.4	77.3	80.4	81.7	82.2	82.3	82.3	82.9	83.2
GE 1000	39.0	39.9	54.5	57.2	66.8	71.0	76.1	79.5	80.6	84.2	85.9	86.3	86.5	86.5	87.0	87.3
GE 900	39.5	40.5	55.5	58.4	68.0	72.2	77.5	81.3	82.4	86.7	88.5	88.9	89.0	89.0	89.6	89.9
GE 800	39.6	40.6	55.8	59.2	69.3	73.5	78.9	83.4	84.6	89.3	91.2	91.6	91.8	91.8	92.3	92.6
GE 700	39.7	40.8	55.9	59.4	69.6	73.9	79.4	84.0	85.5	90.3	92.3	92.8	92.9	92.9	93.5	93.8
GE 600	39.7	40.8	55.9	59.4	69.6	73.9	79.4	84.1	85.9	90.7	92.7	93.2	93.3	93.3	93.9	94.1
GE 500	39.7	40.8	55.9	59.4	69.6	73.9	80.1	84.8	86.8	92.8	94.8	95.3	95.4	95.4	96.0	96.2
GE 400	39.7	40.8	55.9	59.4	69.7	74.3	80.6	85.3	87.3	93.6	95.8	96.3	96.5	96.5	97.3	97.5
GE 300	39.7	40.8	55.9	59.4	69.7	74.3	80.6	85.4	87.4	93.9	96.1	96.7	96.9	96.9	97.8	98.1
GE 200	39.7	40.8	55.9	59.4	69.7	74.3	80.6	85.5	87.6	94.5	96.8	97.4	97.6	97.8	98.6	99.1
GE 100	39.7	40.8	55.9	59.4	69.7	74.3	80.6	85.5	87.6	94.5	96.8	97.4	97.6	97.9	98.7	99.4
GE 000	39.7	40.8	55.9	59.4	69.7	74.3	80.6	85.5	87.6	94.5	96.9	97.5	97.8	98.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 849



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.0	10.4	16.6	17.7	22.6	24.3	26.0	27.8	28.7	30.5	31.1	31.3	31.3	31.3	31.3	31.4
GE 20000	11.3	11.7	18.5	19.9	25.4	27.3	29.1	31.4	32.4	34.5	35.5	35.7	35.7	35.7	35.7	35.9
GE 18000	11.3	11.7	18.5	19.9	25.4	27.3	29.1	31.4	32.4	34.5	35.5	35.7	35.7	35.7	35.7	35.9
GE 16000	11.3	11.7	18.5	19.9	25.4	27.3	29.1	31.4	32.4	34.5	35.5	35.7	35.7	35.7	35.7	35.9
GE 14000	11.7	12.0	18.8	20.3	25.8	27.7	29.4	31.8	32.7	34.9	35.8	36.0	36.0	36.0	36.0	36.3
GE 12000	11.7	12.0	18.8	20.3	25.8	27.7	29.4	31.8	32.7	34.9	35.8	36.0	36.0	36.0	36.0	36.3
GE 10000	12.1	12.6	19.7	21.3	26.9	28.7	30.5	33.0	33.9	36.0	37.0	37.2	37.2	37.2	37.2	37.5
GE 9000	12.6	13.1	20.3	21.9	27.4	29.3	31.1	33.7	34.6	36.7	37.7	37.9	37.9	37.9	37.9	38.2
GE 8000	14.0	14.6	22.3	24.0	29.8	32.2	34.2	36.9	37.8	40.0	41.0	41.2	41.2	41.2	41.2	41.5
GE 7000	14.5	15.1	23.1	24.9	30.7	33.2	35.2	38.0	39.0	41.2	42.2	42.4	42.4	42.4	42.4	42.6
GE 6000	15.0	15.5	23.6	25.3	31.2	33.7	35.7	38.5	39.5	41.7	42.6	42.9	42.9	42.9	42.9	43.1
GE 5000	15.5	16.1	24.4	26.3	32.2	34.6	36.6	39.5	40.4	42.6	43.6	43.8	43.8	43.8	43.8	44.1
GE 4500	16.7	17.3	25.9	27.9	34.2	37.3	39.6	42.6	43.7	45.9	46.9	47.1	47.1	47.1	47.1	47.3
GE 4000	17.7	18.4	27.2	29.2	35.5	38.6	41.0	44.1	45.1	47.3	48.3	48.5	48.5	48.5	48.5	48.8
GE 3500	19.0	19.7	28.7	30.7	37.2	40.6	43.1	46.4	47.5	49.8	50.9	51.1	51.1	51.1	51.1	51.4
GE 3000	23.2	23.9	33.6	35.8	43.1	47.2	49.8	53.1	54.2	57.0	58.1	58.3	58.3	58.3	58.3	58.5
GE 2500	26.1	26.9	37.6	39.9	48.3	52.5	55.2	58.7	59.7	62.5	63.7	64.0	64.0	64.0	64.0	64.2
GE 2000	29.3	30.0	42.2	45.3	54.4	59.0	62.1	65.7	66.8	69.6	70.9	71.1	71.1	71.1	71.1	71.4
GE 1800	29.4	30.2	42.5	45.9	55.5	60.2	63.5	67.3	68.4	71.3	72.6	72.8	72.8	72.8	72.8	73.0
GE 1500	30.6	31.4	44.5	48.6	59.2	64.3	67.6	71.7	73.3	76.4	78.0	78.2	78.2	78.2	78.2	78.4
GE 1200	31.3	32.2	46.5	50.6	62.7	68.2	71.6	76.0	77.6	81.4	83.0	83.3	83.3	83.3	83.3	83.5
GE 1000	31.7	32.5	47.2	51.5	64.5	70.3	73.9	78.7	81.0	85.4	87.5	87.9	87.9	87.9	87.9	88.1
GE 900	32.2	33.0	47.7	51.9	65.1	71.1	74.7	79.5	81.9	86.6	88.7	89.0	89.3	89.3	89.3	89.5
GE 800	32.4	33.2	48.2	52.7	66.5	72.8	76.4	81.5	84.0	89.6	92.0	92.3	92.6	92.7	92.9	93.2
GE 700	32.4	33.2	48.3	52.8	66.7	73.5	77.3	82.9	86.2	92.1	94.6	95.1	95.3	95.5	95.8	96.0
GE 600	32.4	33.2	48.3	52.8	66.7	73.7	77.5	83.4	86.7	92.7	95.2	95.6	96.0	96.3	96.6	96.8
GE 500	32.4	33.2	48.3	52.8	66.7	73.9	77.7	83.9	87.3	93.6	96.1	96.7	97.2	97.5	97.8	98.0
GE 400	32.4	33.2	48.3	52.8	66.7	73.9	77.7	83.9	87.3	93.6	96.2	97.1	97.5	98.0	98.2	98.5
GE 300	32.4	33.2	48.3	52.8	66.7	73.9	77.7	83.9	87.6	94.0	96.6	97.5	98.1	98.6	98.8	99.2
GE 200	32.4	33.2	48.3	52.8	66.7	73.9	77.7	83.9	87.6	94.1	96.8	97.8	98.4	99.1	99.3	99.6
GE 100	32.4	33.2	48.3	52.8	66.7	73.9	77.7	83.9	87.6	94.2	96.9	97.9	98.6	99.3	99.5	100.0
GE 000	32.4	33.2	48.3	52.8	66.7	73.9	77.7	83.9	87.6	94.2	96.9	97.9	98.6	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.8	18.0	22.9	24.6	30.9	31.7	32.6	34.0	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6
GE 20000	20.3	20.5	26.0	27.9	35.1	36.0	37.1	38.6	39.1	39.2	39.2	39.3	39.3	39.3	39.3	39.3
GE 18000	20.3	20.5	26.0	27.9	35.1	36.0	37.1	38.6	39.1	39.2	39.2	39.3	39.3	39.3	39.3	39.3
GE 16000	20.3	20.5	26.0	27.9	35.1	36.0	37.1	38.6	39.1	39.2	39.2	39.3	39.3	39.3	39.3	39.3
GE 14000	20.3	20.5	26.0	27.9	35.1	36.0	37.1	38.6	39.1	39.2	39.2	39.3	39.3	39.3	39.3	39.3
GE 12000	20.5	20.7	26.3	28.2	35.3	36.3	37.3	38.9	39.3	39.5	39.5	39.6	39.6	39.6	39.6	39.6
GE 10000	20.8	21.1	26.6	28.5	35.7	36.6	37.7	39.2	39.7	39.8	39.8	39.9	39.9	39.9	39.9	39.9
GE 9000	21.7	21.9	27.4	29.3	36.6	37.7	38.8	40.3	40.8	40.9	40.9	41.0	41.0	41.0	41.0	41.0
GE 8000	23.1	23.7	29.6	31.4	38.9	39.9	41.1	42.6	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3
GE 7000	23.9	24.5	30.4	32.3	39.9	41.0	42.2	43.7	44.2	44.4	44.4	44.5	44.5	44.5	44.5	44.5
GE 6000	24.3	24.9	30.7	32.6	40.3	41.3	42.5	44.1	44.5	44.8	44.8	44.9	44.9	44.9	44.9	44.9
GE 5000	25.8	26.4	32.4	34.3	42.2	43.2	44.4	45.9	46.4	46.6	46.6	46.8	46.8	46.8	46.8	46.8
GE 4500	28.0	28.6	35.0	37.0	45.0	46.2	47.3	48.9	49.4	49.6	49.6	49.7	49.7	49.7	49.7	49.7
GE 4000	29.7	30.3	37.5	39.5	47.8	49.0	50.4	51.9	52.4	52.7	52.7	52.8	52.8	52.8	52.8	52.8
GE 3500	32.2	32.7	40.4	42.4	50.8	52.1	53.5	55.0	55.5	55.7	56.1	56.2	56.2	56.2	56.2	56.2
GE 3000	36.3	36.9	45.9	48.1	57.2	58.9	60.5	62.3	62.9	63.4	63.8	64.0	64.2	64.2	64.2	64.2
GE 2500	38.0	38.8	48.3	50.9	61.0	62.7	64.9	66.7	67.5	68.1	68.6	68.7	68.9	68.9	68.9	68.9
GE 2000	39.9	40.6	51.2	54.1	65.3	67.0	69.3	71.1	72.2	72.8	73.4	73.6	73.9	73.9	73.9	73.9
GE 1800	40.6	41.3	52.3	55.1	66.5	68.3	70.7	72.7	73.7	74.3	75.0	75.3	75.5	75.5	75.5	75.5
GE 1500	42.5	43.2	54.3	57.7	70.0	72.3	75.0	77.3	78.7	79.4	80.2	80.4	80.7	80.7	80.7	80.7
GE 1200	43.7	44.4	57.5	61.1	74.7	77.4	80.2	82.8	84.7	85.4	86.2	86.5	86.7	86.7	86.7	86.7
GE 1000	44.4	45.1	58.5	62.3	76.3	80.0	83.2	86.0	87.9	89.5	90.5	90.8	91.0	91.0	91.0	91.0
GE 900	44.9	45.6	59.0	62.8	77.0	80.7	83.9	86.7	88.6	90.3	91.3	91.8	92.0	92.0	92.0	92.0
GE 800	44.9	45.6	59.0	63.0	77.6	81.7	85.0	87.9	90.0	92.8	94.0	94.5	94.7	94.7	94.7	94.7
GE 700	44.9	45.6	59.0	63.0	77.7	82.3	85.7	88.8	91.0	94.5	95.8	96.2	96.5	96.5	96.5	96.5
GE 600	44.9	45.6	59.0	63.0	77.9	82.8	86.2	89.3	91.6	95.2	96.6	97.1	97.3	97.3	97.3	97.3
GE 500	44.9	45.6	59.1	63.1	78.1	83.0	86.6	90.1	92.6	96.6	98.6	99.3	99.5	99.5	99.5	99.5
GE 400	44.9	45.6	59.1	63.1	78.1	83.2	86.7	90.3	92.9	96.9	99.1	99.8	100.0	100.0	100.0	100.0
GE 300	44.9	45.6	59.1	63.1	78.1	83.2	86.7	90.3	92.9	96.9	99.1	99.8	100.0	100.0	100.0	100.0
GE 200	44.9	45.6	59.1	63.1	78.1	83.2	86.7	90.3	92.9	96.9	99.1	99.8	100.0	100.0	100.0	100.0
GE 100	44.9	45.6	59.1	63.1	78.1	83.2	86.7	90.3	92.9	96.9	99.1	99.8	100.0	100.0	100.0	100.0
GE 000	44.9	45.6	59.1	63.1	78.1	83.2	86.7	90.3	92.9	96.9	99.1	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.6	22.4	27.2	29.1	33.2	34.3	34.7	34.7	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0
GE 20000	25.2	26.0	32.9	35.2	41.0	42.4	42.9	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1
GE 18000	25.3	26.1	33.0	35.3	41.1	42.5	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2
GE 16000	25.3	26.1	33.0	35.3	41.1	42.5	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2
GE 14000	25.4	26.3	33.1	35.5	41.2	42.6	43.1	43.1	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3
GE 12000	25.8	26.6	33.6	35.9	41.7	43.1	43.6	43.6	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8
GE 10000	26.9	27.7	35.0	37.5	43.3	44.8	45.2	45.2	45.3	45.3	45.3	45.5	45.5	45.5	45.5	45.5
GE 9000	27.3	28.2	35.5	38.0	43.9	45.3	45.8	45.8	45.9	45.9	45.9	46.1	46.1	46.1	46.1	46.1
GE 8000	28.0	29.0	36.6	39.5	45.6	47.1	47.6	47.6	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8
GE 7000	29.1	30.0	37.8	40.8	46.9	48.4	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1
GE 6000	29.4	30.4	38.3	41.2	47.3	48.9	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6
GE 5000	30.5	31.4	39.8	42.8	48.9	50.4	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1
GE 4500	31.1	32.0	40.4	43.3	49.5	51.0	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7
GE 4000	33.2	34.2	43.1	46.1	52.4	53.9	54.4	54.4	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7
GE 3500	36.9	38.0	47.5	50.6	57.4	58.9	59.4	59.4	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.7
GE 3000	41.6	42.8	54.3	57.8	65.5	67.1	67.7	67.8	68.2	68.6	68.7	68.9	68.9	68.9	68.9	68.9
GE 2500	43.6	44.9	57.7	61.5	70.0	71.6	72.4	72.6	73.1	74.0	74.1	74.3	74.3	74.3	74.3	74.3
GE 2000	45.8	47.1	60.5	64.9	74.1	75.9	77.0	77.1	78.0	78.8	78.9	79.2	79.2	79.2	79.2	79.2
GE 1800	46.9	48.2	62.0	66.3	75.7	77.9	79.0	79.2	80.0	80.8	80.9	81.2	81.2	81.2	81.2	81.2
GE 1500	49.0	50.3	64.1	68.6	78.8	81.0	82.6	82.8	83.7	85.0	85.2	85.4	85.4	85.4	85.4	85.4
GE 1200	50.3	51.6	66.1	70.6	81.7	84.2	86.2	87.2	88.6	90.0	90.2	90.5	90.5	90.5	90.5	90.5
GE 1000	50.4	51.7	66.3	71.0	82.7	85.5	88.5	89.5	91.3	92.8	93.1	93.3	93.3	93.3	93.3	93.3
GE 900	50.4	51.7	66.3	71.0	82.8	86.5	89.5	90.7	92.6	94.2	94.7	94.9	94.9	94.9	94.9	94.9
GE 800	50.4	51.7	66.7	71.5	83.5	87.5	90.6	91.8	93.8	95.8	96.7	96.7	96.7	96.7	96.8	96.8
GE 700	50.4	51.7	66.7	71.5	83.5	88.0	91.2	92.5	94.5	96.6	97.3	97.5	97.5	97.5	97.6	97.6
GE 600	50.4	51.7	66.7	71.5	83.5	88.2	91.5	92.8	94.9	96.9	97.6	98.0	98.1	98.1	98.2	98.2
GE 500	50.4	51.7	66.7	71.5	83.6	88.3	91.6	93.1	95.1	98.0	98.9	99.3	99.4	99.4	99.5	99.5
GE 400	50.4	51.7	66.7	71.5	83.6	88.3	91.8	93.3	95.3	98.2	99.2	99.5	99.6	99.6	99.8	99.8
GE 300	50.4	51.7	66.7	71.5	83.6	88.3	91.8	93.3	95.3	98.2	99.3	99.6	99.8	99.8	99.9	99.9
GE 200	50.4	51.7	66.7	71.5	83.6	88.3	91.8	93.3	95.3	98.2	99.3	99.6	99.9	99.9	100.0	100.0
GE 100	50.4	51.7	66.7	71.5	83.6	88.3	91.8	93.3	95.3	98.2	99.3	99.6	99.9	99.9	100.0	100.0
GE 000	50.4	51.7	66.7	71.5	83.6	88.3	91.8	93.3	95.3	98.2	99.3	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 18 20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.0	24.7	28.6	30.6	34.2	35.5	36.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 20000	26.5	27.2	31.8	34.4	39.6	41.2	42.5	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.6
GE 18000	26.6	27.3	31.9	34.5	39.7	41.3	42.6	43.3	43.3	43.3	43.3	43.3	43.5	43.5	43.5	43.7
GE 16000	26.6	27.3	31.9	34.5	39.7	41.3	42.6	43.3	43.3	43.3	43.3	43.3	43.5	43.5	43.5	43.7
GE 14000	26.6	27.3	31.9	34.5	39.7	41.3	42.6	43.3	43.3	43.3	43.3	43.3	43.5	43.5	43.5	43.7
GE 12000	26.6	27.3	32.0	34.6	39.9	41.6	43.0	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8	44.1
GE 10000	27.7	28.4	34.0	36.7	42.0	43.7	45.1	45.8	45.8	45.8	45.8	45.8	45.9	45.9	45.9	46.2
GE 9000	27.8	28.5	34.2	36.9	42.2	43.8	45.2	45.9	45.9	45.9	45.9	45.9	46.1	46.1	46.1	46.3
GE 8000	28.7	29.4	35.9	38.9	44.3	46.2	47.6	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.6
GE 7000	29.6	30.3	37.0	39.9	45.3	47.2	48.6	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.7
GE 6000	29.6	30.3	37.0	39.9	45.3	47.2	48.6	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.7
GE 5000	31.2	31.9	39.1	42.2	47.7	49.7	51.1	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.2
GE 4500	33.0	33.7	41.2	44.4	50.1	52.1	53.5	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.5
GE 4000	34.6	35.3	43.2	46.4	52.4	54.4	55.8	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.7	56.9
GE 3500	36.6	37.3	46.1	49.4	55.8	58.1	59.5	60.3	60.3	60.3	60.5	60.5	60.7	60.7	60.7	60.9
GE 3000	40.8	41.7	51.8	55.1	62.2	64.8	66.4	67.5	67.6	67.8	68.1	68.1	68.2	68.2	68.2	68.4
GE 2500	42.9	43.9	55.2	58.8	67.3	69.8	71.7	72.8	72.9	73.7	74.1	74.1	74.2	74.2	74.2	74.4
GE 2000	44.9	45.9	57.7	61.4	71.7	74.3	76.6	78.4	78.6	79.5	80.0	80.0	80.1	80.1	80.1	80.3
GE 1800	46.1	47.1	58.9	62.5	73.1	75.9	78.1	80.0	80.1	81.0	81.5	81.5	81.6	81.6	81.6	81.9
GE 1500	47.3	48.4	60.5	64.2	76.2	79.2	82.1	84.1	84.5	85.9	86.3	86.3	86.5	86.5	86.5	86.7
GE 1200	47.8	48.9	61.6	65.5	78.1	81.3	84.5	86.6	87.0	88.8	89.8	89.8	89.9	89.9	89.9	90.1
GE 1000	48.2	49.2	62.3	66.2	78.9	82.4	85.9	88.5	88.9	90.7	91.6	91.6	91.8	91.8	91.8	92.0
GE 900	48.5	49.6	62.7	66.5	79.6	83.9	87.3	89.9	90.5	92.6	93.8	93.9	94.0	94.0	94.0	94.2
GE 800	48.5	49.6	62.8	66.8	80.1	85.0	88.6	91.3	92.0	94.5	96.0	96.1	96.2	96.2	96.2	96.5
GE 700	48.5	49.6	62.9	66.9	80.2	85.9	89.5	92.3	93.4	96.1	97.6	97.8	98.0	98.0	98.0	98.2
GE 600	48.6	49.7	63.0	67.0	80.3	86.2	89.9	92.7	94.0	96.9	98.5	98.6	98.8	98.8	98.8	99.1
GE 500	48.6	49.7	63.0	67.0	80.4	86.3	90.0	92.8	94.1	97.4	98.9	99.2	99.4	99.4	99.4	99.6
GE 400	48.6	49.7	63.0	67.0	80.4	86.3	90.0	92.8	94.1	97.5	99.1	99.3	99.5	99.5	99.5	99.8
GE 300	48.6	49.7	63.0	67.0	80.4	86.3	90.0	92.8	94.1	97.5	99.3	99.5	99.8	99.8	99.8	100.0
GE 200	48.6	49.7	63.0	67.0	80.4	86.3	90.0	92.8	94.1	97.5	99.3	99.5	99.8	99.8	99.8	100.0
GE 100	48.6	49.7	63.0	67.0	80.4	86.3	90.0	92.8	94.1	97.5	99.3	99.5	99.8	99.8	99.8	100.0
GE 000	48.6	49.7	63.0	67.0	80.4	86.3	90.0	92.8	94.1	97.5	99.3	99.5	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.8	26.5	29.7	31.1	36.0	37.8	38.5	39.6	40.2	40.9	41.2	41.5	41.8	41.9	42.0	42.0
GE 20000	27.8	28.5	32.0	33.5	39.1	41.2	41.9	43.0	43.7	44.4	44.8	45.0	45.3	45.6	45.8	45.8
GE 18000	27.8	28.5	32.0	33.5	39.1	41.2	41.9	43.0	43.7	44.4	44.8	45.0	45.3	45.6	45.8	45.8
GE 16000	27.8	28.5	32.0	33.5	39.1	41.2	41.9	43.0	43.7	44.4	44.8	45.0	45.3	45.6	45.8	45.8
GE 14000	27.8	28.5	32.0	33.5	39.1	41.2	41.9	43.0	43.7	44.4	44.8	45.0	45.3	45.6	45.8	45.8
GE 12000	27.8	28.5	32.0	33.5	39.1	41.2	41.9	43.0	43.7	44.4	44.8	45.0	45.3	45.6	45.8	45.8
GE 10000	28.6	29.3	33.0	34.5	40.6	42.8	43.6	44.6	45.3	46.1	46.4	46.6	47.0	47.2	47.5	47.5
GE 9000	28.6	29.3	33.0	34.6	40.8	42.9	43.7	44.8	45.6	46.3	46.6	46.9	47.2	47.5	47.7	47.7
GE 8000	29.0	29.7	34.0	35.7	42.0	44.2	45.0	46.1	46.9	47.6	47.9	48.2	48.5	48.8	49.0	49.0
GE 7000	29.2	29.9	34.3	35.9	42.4	44.5	45.3	46.5	47.3	48.1	48.4	48.6	49.0	49.2	49.5	49.5
GE 6000	29.2	29.9	34.3	35.9	42.4	44.5	45.3	46.5	47.3	48.1	48.4	48.6	49.0	49.2	49.5	49.5
GE 5000	30.9	31.7	36.3	38.3	44.9	47.0	47.8	49.0	49.8	50.5	50.9	51.1	51.5	51.7	51.9	51.9
GE 4500	31.8	32.9	37.7	39.8	47.2	49.4	50.4	51.6	52.4	53.1	53.5	53.7	54.1	54.3	54.5	54.5
GE 4000	33.5	34.5	39.8	41.9	49.4	51.5	52.5	53.7	54.5	55.2	55.6	55.8	56.2	56.5	56.8	56.8
GE 3500	35.9	37.0	42.5	45.1	52.5	54.7	55.7	56.9	57.7	58.4	58.9	59.1	59.5	59.8	60.1	60.1
GE 3000	39.7	40.9	47.6	50.9	58.4	60.9	62.1	63.4	64.3	65.1	65.7	66.0	66.3	66.7	66.9	66.9
GE 2500	41.0	42.2	50.3	53.6	62.1	64.5	66.0	67.5	68.4	69.4	70.2	70.4	70.8	71.1	71.4	71.4
GE 2000	44.2	45.5	54.4	57.8	67.3	70.2	71.8	74.2	75.1	76.2	77.0	77.3	77.6	78.0	78.6	78.6
GE 1800	45.0	46.3	55.2	58.7	68.2	71.1	72.8	75.3	76.2	77.3	78.1	78.3	78.7	79.0	79.6	79.6
GE 1500	46.4	47.7	57.0	60.4	70.9	74.2	76.6	79.7	80.8	82.0	82.8	83.0	83.4	83.7	84.3	84.3
GE 1200	47.5	48.8	58.7	62.1	73.7	77.3	79.9	83.4	84.5	86.0	86.9	87.2	87.5	87.9	88.5	88.5
GE 1000	47.6	48.9	58.9	62.3	74.3	78.3	81.2	85.3	86.5	88.1	89.3	89.5	89.9	90.2	90.8	90.8
GE 900	47.9	49.2	59.2	62.7	75.3	79.3	82.3	86.6	88.0	90.2	91.6	91.9	92.2	92.6	93.2	93.2
GE 800	48.4	49.7	60.0	63.5	76.2	80.7	83.7	88.3	89.8	92.5	94.0	94.2	94.6	94.9	95.5	95.5
GE 700	48.4	49.7	60.0	63.5	76.2	80.9	84.2	88.9	90.7	93.8	95.4	95.6	96.0	96.3	96.9	96.9
GE 600	48.4	49.7	60.0	63.6	76.3	81.5	84.9	89.6	91.4	95.1	96.7	96.9	97.3	97.6	98.2	98.2
GE 500	48.4	49.7	60.0	63.6	76.3	81.7	85.2	89.9	91.6	95.6	97.3	97.9	98.2	98.6	99.2	99.2
GE 400	48.4	49.7	60.0	63.6	76.3	81.7	85.2	89.9	91.8	96.0	97.6	98.2	98.6	99.1	99.6	99.6
GE 300	48.4	49.7	60.0	63.6	76.3	81.7	85.2	89.9	91.8	96.1	97.9	98.5	98.8	99.3	99.9	99.9
GE 200	48.4	49.7	60.0	63.6	76.3	81.7	85.2	89.9	91.8	96.1	98.0	98.6	98.9	99.4	100.0	100.0
GE 100	48.4	49.7	60.0	63.6	76.3	81.7	85.2	89.9	91.8	96.1	98.0	98.6	98.9	99.4	100.0	100.0
GE 000	48.4	49.7	60.0	63.6	76.3	81.7	85.2	89.9	91.8	96.1	98.0	98.6	98.9	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.4	19.8	24.5	25.7	30.6	31.9	33.1	34.2	34.6	35.5	36.0	36.1	36.2	36.2	36.5	36.6
GE 20000	21.6	22.0	27.4	28.8	34.7	36.4	37.6	38.8	39.3	40.3	40.9	41.0	41.1	41.2	41.5	41.6
GE 18000	21.6	22.1	27.4	28.9	34.8	36.5	37.7	38.9	39.3	40.3	40.9	41.1	41.2	41.2	41.5	41.7
GE 16000	21.6	22.1	27.4	28.9	34.8	36.5	37.7	38.9	39.3	40.3	40.9	41.1	41.2	41.2	41.5	41.7
GE 14000	21.8	22.3	27.6	29.0	35.0	36.6	37.8	39.0	39.5	40.5	41.1	41.3	41.4	41.4	41.7	41.8
GE 12000	21.9	22.4	27.7	29.2	35.1	36.8	38.0	39.2	39.7	40.7	41.3	41.5	41.5	41.6	41.9	42.0
GE 10000	22.6	23.1	28.7	30.3	36.3	38.0	39.2	40.5	40.9	41.9	42.5	42.7	42.8	42.9	43.1	43.3
GE 9000	22.9	23.4	29.2	30.7	36.8	38.5	39.7	41.0	41.5	42.6	43.2	43.4	43.4	43.5	43.8	43.9
GE 8000	23.8	24.4	30.4	32.1	38.3	40.1	41.4	42.7	43.3	44.3	44.9	45.1	45.2	45.3	45.5	45.7
GE 7000	24.3	24.9	31.1	32.8	39.0	40.9	42.2	43.5	44.1	45.1	45.7	45.9	46.0	46.1	46.3	46.5
GE 6000	24.5	25.0	31.3	33.0	39.2	41.1	42.4	43.7	44.2	45.3	45.9	46.1	46.2	46.3	46.5	46.7
GE 5000	25.5	26.1	32.6	34.4	40.7	42.6	43.9	45.2	45.8	46.9	47.5	47.7	47.8	47.9	48.1	48.3
GE 4500	26.9	27.6	34.4	36.2	42.9	44.9	46.3	47.7	48.3	49.3	50.0	50.2	50.3	50.4	50.6	50.8
GE 4000	28.7	29.4	36.6	38.5	45.4	47.4	48.9	50.3	50.9	52.0	52.6	52.8	52.9	53.0	53.3	53.4
GE 3500	30.7	31.4	39.1	41.2	48.3	50.4	51.9	53.4	54.0	55.1	55.9	56.1	56.2	56.3	56.6	56.7
GE 3000	34.8	35.6	44.6	47.0	54.8	57.2	58.9	60.4	61.1	62.4	63.2	63.5	63.6	63.7	64.0	64.1
GE 2500	37.5	38.4	48.3	50.8	59.4	61.9	63.8	65.4	66.2	67.6	68.6	68.8	68.9	69.0	69.3	69.4
GE 2000	40.0	41.0	52.0	54.9	64.3	66.9	69.1	71.2	72.0	73.4	74.4	74.7	74.8	74.9	75.2	75.4
GE 1800	40.6	41.6	52.7	55.7	65.4	68.1	70.3	72.4	73.2	74.7	75.7	76.0	76.1	76.2	76.5	76.7
GE 1500	42.3	43.4	54.8	58.1	68.5	71.6	74.2	76.6	77.6	79.4	80.4	80.7	80.8	80.9	81.3	81.4
GE 1200	43.3	44.4	56.9	60.4	71.8	75.3	78.2	80.9	82.1	84.2	85.5	85.8	85.9	86.0	86.3	86.5
GE 1000	43.7	44.8	57.6	61.3	73.2	77.0	80.3	83.6	85.0	87.4	88.8	89.2	89.3	89.4	89.7	89.9
GE 900	44.0	45.1	58.0	61.7	73.9	77.9	81.4	84.8	86.3	89.1	90.7	91.0	91.2	91.3	91.6	91.8
GE 800	44.2	45.3	58.5	62.5	75.0	79.3	82.8	86.5	88.1	91.5	93.3	93.7	93.8	93.9	94.3	94.5
GE 700	44.2	45.3	58.6	62.5	75.1	79.7	83.4	87.3	89.2	92.8	94.7	95.1	95.3	95.5	95.8	96.0
GE 600	44.2	45.3	58.6	62.6	75.3	80.1	83.7	87.8	89.7	93.6	95.5	95.9	96.1	96.2	96.6	96.8
GE 500	44.2	45.3	58.6	62.6	75.4	80.3	84.2	88.3	90.4	94.7	96.8	97.3	97.5	97.7	98.0	98.2
GE 400	44.2	45.3	58.6	62.6	75.4	80.3	84.4	88.6	90.7	95.2	97.4	98.0	98.2	98.4	98.8	99.0
GE 300	44.2	45.3	58.6	62.6	75.4	80.3	84.4	88.6	90.8	95.4	97.7	98.2	98.5	98.7	99.1	99.3
GE 200	44.2	45.3	58.6	62.6	75.4	80.4	84.4	88.6	90.9	95.6	98.0	98.6	98.8	99.1	99.5	99.7
GE 100	44.2	45.3	58.6	62.6	75.4	80.4	84.4	88.6	90.9	95.6	98.0	98.6	98.9	99.1	99.6	99.8
GE 000	44.2	45.3	58.6	62.6	75.4	80.4	84.4	88.6	90.9	95.6	98.0	98.6	98.9	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.6	22.9	26.9	27.7	31.6	31.7	32.7	32.9	33.3	33.5	33.9	34.4	35.1	35.3	35.6	35.9
GE 20000	25.1	25.4	29.6	30.8	35.2	35.6	36.9	37.3	38.0	38.2	38.5	39.0	39.7	39.9	40.2	40.5
GE 18000	25.1	25.4	29.6	30.8	35.2	35.6	36.9	37.3	38.0	38.2	38.5	39.0	39.7	39.9	40.2	40.5
GE 16000	25.1	25.4	29.6	30.8	35.2	35.6	36.9	37.3	38.0	38.2	38.5	39.0	39.7	39.9	40.2	40.5
GE 14000	25.2	25.5	29.7	30.9	35.3	35.7	37.0	37.4	38.1	38.3	38.6	39.1	39.8	40.0	40.3	40.6
GE 12000	25.3	25.6	29.8	31.0	35.4	35.8	37.1	37.5	38.2	38.6	38.9	39.5	40.1	40.3	40.6	41.0
GE 10000	26.3	26.8	31.1	32.4	36.9	37.3	38.6	39.0	39.7	40.2	40.5	41.1	41.7	41.9	42.3	42.6
GE 9000	26.6	27.0	31.3	32.6	37.2	37.6	38.9	39.4	40.0	40.5	40.9	41.4	42.0	42.3	42.6	42.9
GE 8000	28.5	28.9	33.5	34.8	39.7	40.1	41.4	42.0	42.7	43.2	43.5	44.1	44.7	44.9	45.3	45.6
GE 7000	29.4	29.8	34.4	35.7	40.5	41.0	42.3	43.0	43.7	44.2	44.5	5.1	45.7	45.9	46.2	46.6
GE 6000	29.8	30.2	34.8	36.1	41.3	41.7	43.0	43.8	44.4	44.9	45.3	45.8	46.5	46.7	47.0	47.3
GE 5000	31.7	32.2	37.1	38.6	44.2	44.6	45.9	46.9	47.5	48.1	48.4	48.9	49.6	49.8	50.1	50.4
GE 4500	35.4	35.8	41.6	43.3	49.2	49.8	51.5	52.6	53.2	53.8	54.1	54.6	55.3	55.5	55.8	56.1
GE 4000	39.6	40.1	46.0	47.7	54.2	54.7	56.9	58.3	59.0	59.8	60.1	60.6	61.3	61.5	61.9	62.3
GE 3500	43.1	43.9	49.9	51.6	58.2	58.7	60.9	62.3	63.0	63.8	64.1	64.6	65.3	65.5	65.9	66.2
GE 3000	48.9	49.9	56.7	59.0	66.0	66.7	68.8	71.0	71.7	72.5	72.8	73.4	74.1	74.3	74.7	75.1
GE 2500	51.1	52.2	59.6	62.4	70.0	70.6	72.8	74.9	75.7	76.5	76.8	77.4	78.1	78.3	78.7	79.0
GE 2000	53.5	54.6	62.9	66.1	74.1	75.2	77.4	79.6	80.4	81.2	81.5	82.2	82.8	83.0	83.4	83.8
GE 1800	54.1	55.2	63.4	66.7	74.6	75.8	78.1	80.2	81.1	81.8	82.2	82.8	83.4	83.7	84.1	84.4
GE 1500	55.9	57.0	65.5	68.9	77.8	79.1	81.4	83.8	84.7	85.5	85.8	86.5	87.1	87.3	87.7	88.1
GE 1200	58.8	60.0	68.9	72.5	81.8	83.5	86.0	88.4	89.7	90.5	90.9	91.5	92.2	92.4	92.8	93.1
GE 1000	60.3	61.8	71.6	75.2	84.9	86.8	89.4	91.7	93.1	94.3	94.6	95.3	95.9	96.1	96.6	96.9
GE 900	60.4	62.0	71.8	75.4	85.5	87.3	90.0	92.4	93.8	94.9	95.3	95.9	96.6	96.8	97.2	97.5
GE 800	60.4	62.0	71.9	75.6	85.9	88.0	91.0	93.3	94.7	95.9	96.2	96.9	97.5	97.7	98.2	98.5
GE 700	60.4	62.0	71.9	75.6	86.0	88.1	91.2	93.8	95.4	96.6	96.9	97.5	98.2	98.4	98.8	99.1
GE 600	60.4	62.0	72.0	75.7	86.1	88.2	91.3	93.9	95.5	96.7	97.0	97.6	98.3	98.5	98.9	99.2
GE 500	60.4	62.0	72.0	75.7	86.1	88.2	91.3	93.9	95.6	96.8	97.1	97.7	98.4	98.6	99.0	99.4
GE 400	60.4	62.0	72.0	75.7	86.1	88.2	91.3	93.9	95.6	96.9	97.2	97.8	98.5	98.7	99.1	99.5
GE 300	60.4	62.0	72.0	75.7	86.1	88.2	91.3	94.0	95.9	97.2	97.5	98.2	98.8	99.0	99.5	99.8
GE 200	60.4	62.0	72.0	75.7	86.1	88.2	91.3	94.0	95.9	97.2	97.5	98.2	98.9	99.1	99.6	100.0
GE 100	60.4	62.0	72.0	75.7	86.1	88.2	91.3	94.0	95.9	97.2	97.5	98.2	98.9	99.1	99.6	100.0
GE 000	60.4	62.0	72.0	75.7	86.1	88.2	91.3	94.0	95.9	97.2	97.5	98.2	98.9	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 03-05

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.1	18.3	21.9	22.7	26.9	27.3	28.3	28.8	29.4	29.8	30.3	30.3	31.0	31.0	31.4	31.8
GE 20000	20.3	20.5	24.5	25.3	30.1	31.0	32.4	33.0	33.8	34.3	34.8	34.8	35.5	35.5	35.9	36.3
GE 18000	20.5	20.8	24.7	25.5	30.3	31.2	32.6	33.2	34.0	34.5	35.1	35.1	35.7	35.7	36.1	36.6
GE 16000	20.5	20.8	24.7	25.5	30.3	31.2	32.6	33.2	34.0	34.5	35.1	35.1	35.7	35.7	36.1	36.6
GE 14000	20.5	20.8	24.7	25.5	30.3	31.2	32.6	33.2	34.0	34.5	35.1	35.1	35.7	35.7	36.1	36.6
GE 12000	21.0	21.2	25.2	25.9	30.8	31.6	33.0	33.7	34.4	34.9	35.5	35.5	36.1	36.1	36.6	37.0
GE 10000	21.7	21.9	25.9	26.7	31.5	32.4	33.8	34.4	35.2	35.8	36.3	36.3	37.0	37.0	37.6	38.1
GE 9000	21.8	22.0	26.0	26.8	31.9	32.8	34.2	34.8	35.6	36.2	36.8	36.8	37.4	37.4	38.1	38.5
GE 8000	23.3	23.5	27.6	28.4	33.5	34.4	35.8	36.9	37.6	38.3	38.8	38.8	39.5	39.5	40.1	40.5
GE 7000	23.9	24.1	28.3	29.1	34.3	35.2	36.6	37.6	38.4	39.0	39.6	39.6	40.2	40.2	40.9	41.3
GE 6000	24.8	25.1	29.2	30.1	35.6	36.5	37.8	39.0	39.8	40.4	41.0	41.0	41.6	41.6	42.3	42.7
GE 5000	27.6	27.8	32.2	33.2	38.7	39.6	41.0	42.9	43.7	44.3	44.8	44.8	45.5	45.5	46.1	46.6
GE 4500	31.3	31.5	35.9	37.3	42.9	44.1	45.8	47.7	48.5	49.1	49.7	49.7	50.3	50.3	51.0	51.4
GE 4000	34.7	34.9	40.0	41.5	48.0	49.4	51.2	53.4	54.4	55.2	55.7	55.7	56.3	56.3	57.0	57.4
GE 3500	36.9	37.1	42.5	44.0	50.6	52.3	54.1	56.5	57.4	58.2	58.7	58.7	59.4	59.4	60.0	60.4
GE 3000	42.2	42.4	48.8	50.4	58.3	60.2	62.0	64.7	65.8	66.6	67.2	67.2	68.0	68.0	68.6	69.0
GE 2500	46.0	46.2	53.0	54.6	63.1	65.2	67.1	70.0	71.1	71.8	72.5	72.5	73.2	73.2	73.9	74.3
GE 2000	49.1	49.4	56.9	59.2	68.2	70.6	73.1	76.1	77.2	78.2	78.8	78.8	79.6	79.6	80.2	80.6
GE 1800	49.8	50.0	57.5	59.9	68.8	71.3	73.8	76.9	78.0	78.9	79.6	79.6	80.3	80.3	81.0	81.4
GE 1500	51.9	52.4	60.0	62.6	72.4	74.9	77.5	80.6	81.7	82.8	83.4	83.4	84.2	84.2	84.8	85.3
GE 1200	55.2	55.6	63.8	66.6	76.5	79.7	82.3	85.4	86.6	87.6	88.3	88.3	89.0	89.0	89.7	90.1
GE 1000	56.3	56.8	65.6	68.6	78.9	82.3	85.1	88.3	89.6	90.9	91.5	91.8	92.6	92.6	93.2	93.7
GE 900	56.9	57.3	66.3	69.4	79.7	83.2	86.0	89.7	91.0	92.3	92.9	93.2	94.0	94.0	94.6	95.1
GE 800	57.2	57.6	66.8	69.8	80.1	84.1	87.5	91.2	92.5	93.9	94.5	94.8	95.6	95.6	96.2	96.7
GE 700	57.2	57.6	66.9	69.9	80.8	84.7	88.3	92.0	93.5	95.1	95.7	96.0	96.8	96.8	97.4	97.8
GE 600	57.2	57.6	66.9	69.9	80.8	84.7	88.6	92.5	94.0	95.5	96.2	96.6	97.3	97.3	98.0	98.4
GE 500	57.2	57.6	66.9	69.9	80.8	84.7	88.6	92.5	94.0	95.5	96.2	96.6	97.3	97.3	98.0	98.4
GE 400	57.3	57.7	67.0	70.0	80.9	84.8	88.7	92.6	94.1	95.6	96.3	96.7	97.4	97.4	98.1	98.5
GE 300	57.3	57.7	67.0	70.0	80.9	84.8	88.7	92.6	94.1	95.6	96.5	96.8	97.5	97.5	98.2	98.7
GE 200	57.3	57.7	67.0	70.0	80.9	84.8	88.7	92.6	94.1	95.6	96.5	96.8	97.8	98.0	99.1	99.9
GE 100	57.3	57.7	67.0	70.0	80.9	84.8	88.7	92.6	94.1	95.6	96.5	96.8	97.8	98.0	99.2	100.0
GE 000	57.3	57.7	67.0	70.0	80.9	84.8	88.7	92.6	94.1	95.6	96.5	96.8	97.8	98.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.3	10.3	12.9	14.1	17.1	18.3	19.2	21.4	21.9	23.0	24.3	24.5	24.7	24.7	25.3	25.6
GE 20000	11.9	11.9	14.9	16.3	19.6	21.1	22.9	25.7	26.3	27.5	28.9	29.1	29.4	29.4	29.9	30.2
GE 18000	11.9	11.9	15.1	16.5	19.7	21.2	23.0	25.8	26.5	27.6	29.0	29.2	29.5	29.5	30.0	30.3
GE 16000	11.9	11.9	15.1	16.5	19.7	21.2	23.0	25.8	26.5	27.6	29.0	29.2	29.5	29.5	30.0	30.3
GE 14000	11.9	11.9	15.1	16.5	19.7	21.2	23.0	25.8	26.5	27.6	29.0	29.2	29.5	29.5	30.0	30.3
GE 12000	12.5	12.5	15.6	17.0	20.3	21.8	23.7	26.5	27.1	28.3	29.7	29.9	30.1	30.1	30.6	31.0
GE 10000	4.0	14.1	17.4	18.8	22.2	23.7	25.5	28.3	29.0	30.2	31.6	31.8	32.0	32.0	32.7	33.0
GE 9000	14.3	14.4	17.7	19.1	22.7	24.2	26.0	28.8	29.6	30.8	32.2	32.4	32.6	32.6	33.2	33.5
GE 8000	15.7	15.8	19.4	20.8	24.4	25.9	27.7	30.6	31.6	32.9	34.4	34.6	34.8	34.8	35.5	35.9
GE 7000	16.5	16.6	20.1	21.5	25.3	26.8	28.6	31.5	32.5	33.8	35.3	35.5	35.7	35.7	36.3	36.8
GE 6000	16.8	16.9	20.4	21.8	25.8	27.3	29.2	32.2	33.1	34.4	35.9	36.1	36.3	36.3	37.0	37.4
GE 5000	18.8	18.9	22.6	24.2	28.3	29.8	32.0	34.9	35.9	37.4	38.9	39.1	39.4	39.4	40.0	40.4
GE 4500	21.1	21.2	25.1	26.7	31.0	32.7	35.1	38.0	39.4	41.1	42.6	42.8	43.0	43.0	43.8	44.3
GE 4000	24.0	24.1	28.5	30.3	35.2	37.0	39.7	42.8	44.2	46.0	47.6	48.0	48.2	48.3	49.0	49.6
GE 3500	27.2	27.3	32.7	34.6	39.5	41.3	44.0	47.2	48.6	50.5	52.3	52.6	52.8	52.9	53.7	54.2
GE 3000	31.0	31.3	37.0	39.2	44.7	46.8	49.5	53.2	54.6	56.8	59.0	59.4	59.7	59.8	60.5	61.1
GE 2500	33.8	34.2	40.4	42.8	48.4	50.8	53.4	57.3	58.7	61.1	63.3	63.7	64.0	64.1	64.8	65.5
GE 2000	38.3	38.7	46.0	48.6	55.2	58.0	61.3	65.2	66.7	69.6	71.9	72.3	72.6	72.7	73.4	74.1
GE 1800	38.9	39.6	46.9	49.7	56.5	59.2	62.6	66.5	68.0	70.9	73.2	73.5	73.9	74.0	74.7	75.4
GE 1500	41.9	42.6	50.6	53.7	62.3	65.6	69.4	73.3	74.9	78.0	80.4	80.8	81.1	81.2	81.9	82.6
GE 1200	44.3	44.9	53.4	56.5	65.3	69.0	73.2	77.7	79.5	82.7	85.2	85.6	85.9	86.0	86.8	87.4
GE 1000	45.8	46.6	56.0	59.1	68.5	72.4	76.6	81.2	83.2	86.6	89.1	89.7	90.0	90.3	91.1	91.7
GE 900	46.5	47.2	56.7	59.8	69.4	73.2	77.5	82.5	84.5	88.0	90.5	91.2	91.5	91.8	92.6	93.2
GE 800	46.7	47.4	57.1	60.2	70.0	74.0	78.7	83.9	85.9	89.5	92.0	92.7	93.0	93.3	94.1	94.7
GE 700	46.8	47.5	57.6	60.9	71.1	75.3	80.3	85.6	87.7	91.3	93.9	94.5	94.9	95.3	96.0	96.7
GE 600	46.8	47.5	57.6	60.9	71.2	75.4	80.4	85.7	87.8	91.4	94.0	94.6	95.1	95.4	96.1	96.8
GE 500	46.8	47.5	57.6	60.9	71.2	75.4	80.6	86.0	88.2	91.8	94.4	95.1	95.5	95.8	96.6	97.2
GE 400	46.8	47.5	57.6	60.9	71.2	75.4	80.6	86.2	88.5	92.2	94.7	95.4	95.8	96.1	96.9	97.5
GE 300	46.8	47.5	57.6	60.9	71.2	75.4	80.6	86.2	88.5	92.2	94.8	95.5	95.9	96.2	97.0	98.3
GE 200	46.8	47.5	57.6	60.9	71.2	75.4	80.6	86.2	88.5	92.2	94.8	95.5	96.0	96.3	98.1	99.7
GE 100	46.8	47.5	57.6	60.9	71.2	75.4	80.6	86.2	88.5	92.2	94.8	95.5	96.0	96.3	98.1	99.8
GE 000	46.8	47.5	57.6	60.9	71.2	75.4	80.6	86.2	88.5	92.2	94.8	95.5	96.1	96.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.2	10.3	13.9	15.1	18.4	19.5	20.8	22.0	22.2	23.4	23.4	23.5	23.7	23.8	23.9	23.9
GE 20000	13.0	13.1	17.1	18.3	22.3	23.8	25.3	26.9	27.1	28.6	28.6	28.9	29.0	29.1	29.2	29.2
GE 18000	13.1	13.2	17.2	18.4	22.4	23.9	25.4	27.0	27.2	28.7	28.7	29.0	29.1	29.2	29.4	29.4
GE 16000	13.1	13.2	17.2	18.4	22.4	23.9	25.4	27.0	27.2	28.7	28.7	29.0	29.1	29.2	29.4	29.4
GE 14000	13.2	13.3	17.3	18.5	22.5	24.0	25.5	27.1	27.3	28.8	28.8	29.1	29.2	29.4	29.5	29.5
GE 12000	13.8	13.9	17.8	19.0	23.1	24.6	26.1	27.7	28.0	29.5	29.5	29.8	29.9	30.0	30.1	30.1
GE 10000	15.1	15.3	19.8	21.0	25.2	26.8	28.3	29.9	30.1	31.8	31.8	32.2	32.3	32.4	32.5	32.5
GE 9000	15.7	15.9	20.4	21.6	25.8	27.4	28.9	30.5	30.8	32.5	32.5	32.8	32.9	33.0	33.1	33.1
GE 8000	16.7	16.9	21.5	22.9	27.4	29.2	31.0	32.6	33.0	34.8	35.3	35.6	35.7	35.8	35.9	35.9
GE 7000	17.5	17.8	22.6	24.0	28.6	30.4	32.2	33.9	34.4	36.2	36.7	37.0	37.1	37.2	37.3	37.3
GE 6000	17.8	18.2	23.0	24.4	29.0	30.9	32.6	34.3	34.8	36.7	37.1	37.4	37.5	37.6	37.7	37.7
GE 5000	19.4	19.8	24.9	26.6	31.3	33.2	34.9	36.9	37.4	39.4	39.8	40.1	40.2	40.3	40.4	40.4
GE 4500	21.7	22.4	28.0	29.6	34.4	36.6	38.5	40.5	41.2	43.1	43.5	43.9	44.0	44.1	44.2	44.2
GE 4000	24.4	25.3	31.1	32.7	37.7	39.9	41.8	44.0	44.6	46.6	47.4	47.7	47.8	48.0	48.1	48.1
GE 3500	27.2	28.1	34.3	36.2	41.3	43.4	45.4	47.5	48.2	50.2	51.1	51.4	51.5	51.6	51.7	51.7
GE 3000	33.3	34.3	41.5	43.5	49.0	51.2	53.2	55.5	56.5	58.8	59.7	60.0	60.1	60.2	60.3	60.3
GE 2500	36.1	37.3	45.3	47.4	53.3	55.5	57.6	59.9	61.0	63.4	64.3	64.6	64.7	64.8	64.9	64.9
GE 2000	40.3	41.6	50.9	53.2	60.5	63.0	65.4	67.6	68.7	71.2	72.2	72.5	72.6	72.7	72.8	72.8
GE 1800	41.3	42.7	52.0	54.6	62.4	64.8	67.2	69.5	70.5	73.0	74.0	74.3	74.4	74.5	74.6	74.6
GE 1500	45.2	46.8	57.8	61.2	70.5	73.7	76.2	78.6	79.8	82.4	83.3	83.7	83.9	84.0	84.1	84.1
GE 1200	46.1	47.7	60.1	63.5	73.3	77.3	80.4	82.8	84.0	86.9	87.8	88.2	88.5	88.6	88.6	88.6
GE 1000	46.8	48.4	61.3	64.8	74.7	78.9	82.2	84.7	86.0	89.9	91.0	91.3	91.5	91.7	91.8	91.8
GE 900	47.2	48.8	61.8	65.4	75.4	79.8	83.2	85.9	87.2	91.1	92.2	92.5	92.7	92.9	93.0	93.0
GE 800	47.2	48.8	62.2	65.7	75.7	80.2	83.8	86.8	88.1	92.2	93.3	93.8	94.0	94.2	94.3	94.3
GE 700	47.5	49.1	63.0	66.7	76.8	81.6	85.2	88.7	90.2	94.5	95.9	96.5	96.7	96.9	97.0	97.0
GE 600	47.5	49.1	63.0	66.7	76.8	81.6	85.3	88.8	90.4	94.8	96.3	96.9	97.1	97.3	97.4	97.4
GE 500	47.5	49.1	63.0	66.7	77.0	82.0	85.7	89.2	90.9	95.4	96.9	97.4	97.6	97.8	98.0	98.0
GE 400	47.5	49.1	63.0	66.7	77.0	82.0	85.7	89.2	90.9	95.6	97.1	97.6	97.8	98.1	98.2	98.2
GE 300	47.5	49.1	63.0	66.7	77.0	82.0	85.7	89.2	90.9	95.7	97.6	98.3	98.5	98.7	98.8	99.0
GE 200	47.5	49.1	63.0	66.7	77.0	82.0	85.7	89.2	90.9	95.7	97.6	98.3	98.5	98.8	99.2	99.8
GE 100	47.5	49.1	63.0	66.7	77.0	82.0	85.7	89.2	90.9	95.7	97.6	98.3	98.5	98.8	99.4	100.0
GE 000	47.5	49.1	63.0	66.7	77.0	82.0	85.7	89.2	90.9	95.7	97.6	98.3	98.5	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.8	15.6	19.7	20.4	24.1	24.7	25.4	25.5	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 20000	17.7	18.5	23.8	24.7	28.5	29.2	30.0	30.2	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4
GE 18000	18.4	19.1	24.4	25.4	29.1	29.9	30.6	30.9	30.9	1.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 16000	18.4	19.1	24.5	25.5	29.2	30.0	30.8	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 14000	18.6	19.4	24.7	25.7	29.5	30.2	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4
GE 12000	19.0	19.8	25.2	26.1	30.0	30.8	31.5	31.7	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 10000	21.0	21.8	27.2	28.3	32.2	32.9	33.7	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 9000	21.5	22.4	27.7	28.8	32.7	33.4	34.2	34.6	34.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 8000	22.6	23.4	29.0	30.1	34.6	35.7	36.5	36.9	37.0	37.3	37.4	37.4	37.4	37.4	37.4	37.4
GE 7000	23.3	24.2	29.9	31.0	35.5	36.6	37.3	37.7	37.8	38.2	38.3	38.3	38.3	38.3	38.3	38.3
GE 6000	24.0	24.8	30.5	31.6	36.1	37.2	38.0	38.4	38.5	38.8	38.9	38.9	38.9	38.9	38.9	38.9
GE 5000	25.7	26.6	32.3	33.3	37.8	38.9	39.7	40.1	40.2	40.5	40.6	40.6	40.6	40.6	40.6	40.6
GE 4500	27.3	28.3	34.3	35.4	40.0	41.1	41.8	42.3	42.4	42.7	42.8	42.8	42.8	42.8	42.8	42.8
GE 4000	30.8	31.7	38.2	39.6	44.4	45.5	46.2	46.7	46.9	47.4	47.5	47.5	47.5	47.5	47.5	47.5
GE 3500	36.0	37.3	44.2	45.9	50.8	51.8	52.6	53.0	53.2	53.8	53.9	53.9	53.9	53.9	53.9	53.9
GE 3000	47.1	48.9	56.6	58.4	63.4	64.5	65.5	65.9	66.1	66.8	66.9	66.9	66.9	66.9	66.9	66.9
GE 2500	52.2	54.1	62.2	64.0	69.1	70.2	71.3	71.7	71.9	72.6	72.7	72.7	72.7	72.7	72.7	72.7
GE 2000	57.0	59.1	68.3	70.3	77.0	78.5	79.7	80.1	80.4	81.1	81.3	81.3	81.3	81.3	81.3	81.3
GE 1800	58.0	60.1	69.9	72.0	79.4	80.9	82.2	82.6	82.9	83.5	83.8	83.8	83.8	83.8	83.8	83.8
GE 1500	60.9	63.0	73.2	75.6	83.4	85.5	87.1	87.7	88.2	89.0	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	62.3	64.5	75.6	78.5	86.8	89.7	91.3	91.9	92.6	93.8	94.2	94.2	94.2	94.2	94.2	94.2
GE 1000	62.7	64.9	76.2	79.2	88.1	91.0	92.6	93.3	94.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	62.9	65.2	76.6	79.7	88.5	91.6	93.4	94.2	94.8	96.1	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	62.9	65.3	77.0	80.1	88.9	92.2	94.1	94.9	95.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	63.1	65.5	77.4	80.5	89.4	92.8	94.9	96.2	96.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	63.1	65.5	77.4	80.5	89.4	92.8	95.2	96.7	97.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	63.1	65.5	77.4	80.5	89.5	92.9	95.4	96.9	97.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	63.1	65.5	77.4	80.5	89.5	92.9	95.4	96.9	97.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	63.1	65.5	77.4	80.5	89.5	92.9	95.4	96.9	97.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	63.1	65.5	77.4	80.5	89.5	92.9	95.4	96.9	97.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	63.1	65.5	77.4	80.5	89.5	92.9	95.4	96.9	97.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	63.1	65.5	77.4	80.5	89.5	92.9	95.4	96.9	97.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.1	18.5	20.6	22.4	24.2	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
GE 20000	24.2	24.6	27.7	29.6	31.7	32.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 18000	24.6	25.1	28.2	30.0	32.2	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 16000	24.7	25.2	28.3	30.1	32.3	32.9	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 14000	24.7	25.2	28.3	30.1	32.3	32.9	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 12000	25.3	25.7	28.8	30.6	32.9	33.5	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
GE 10000	27.6	28.1	31.7	33.7	36.0	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 9000	28.0	28.4	32.2	34.1	36.5	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 8000	30.5	31.1	35.3	37.3	40.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 7000	32.2	32.8	37.3	39.4	42.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 6000	32.6	33.2	37.7	39.8	43.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 5000	34.2	34.8	39.5	41.5	45.1	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 4500	35.7	36.5	41.3	43.3	46.9	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 4000	41.1	42.0	47.4	49.5	53.1	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 3500	45.8	47.0	52.5	54.8	58.7	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 3000	57.0	58.2	64.6	67.0	71.2	72.4	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 2500	61.7	63.1	70.6	73.2	77.4	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 2000	67.0	68.6	77.1	80.5	85.2	86.7	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1800	67.3	68.9	77.6	81.1	86.2	87.7	88.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1500	69.8	71.6	81.4	85.2	91.0	92.8	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	70.5	72.4	82.9	87.1	93.7	95.5	96.5	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	70.5	72.4	82.9	87.1	93.9	95.9	97.0	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	70.5	72.4	82.9	87.1	94.0	96.2	97.3	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	70.8	72.6	83.2	87.4	94.3	96.7	97.7	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	70.8	72.6	83.2	87.4	94.5	96.9	98.0	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 600	70.8	72.6	83.2	87.4	94.5	97.0	98.3	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 500	70.8	72.6	83.2	87.4	94.5	97.1	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	70.8	72.6	83.2	87.4	94.5	97.1	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	70.8	72.6	83.2	87.4	94.5	97.1	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	70.8	72.6	83.2	87.4	94.5	97.1	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	70.8	72.6	83.2	87.4	94.5	97.1	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	70.8	72.6	83.2	87.4	94.5	97.1	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL		25.4	26.1	29.1	30.0	32.0	32.2	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 20000		30.0	30.8	34.4	35.3	37.5	38.0	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 18000		30.0	30.8	34.5	35.4	37.6	38.1	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 16000		30.0	30.8	34.5	35.4	37.6	38.1	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 14000		30.3	31.1	34.8	35.7	38.0	38.4	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 12000		31.1	31.8	35.6	36.5	38.7	39.2	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 10000		33.8	34.5	39.0	39.9	42.4	43.0	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 9000		34.2	34.9	39.6	40.4	42.9	43.5	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 8000		38.0	38.7	43.7	44.6	47.3	48.1	49.2	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 7000		38.6	39.4	44.4	45.4	48.2	49.1	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 6000		39.1	39.9	44.9	45.9	48.7	49.7	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 5000		40.8	41.5	46.9	48.0	51.3	52.3	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 4500		43.4	44.2	49.8	51.2	54.5	55.6	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 4000		47.8	48.7	54.6	56.1	60.2	61.6	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 3500		52.6	53.8	59.8	61.6	66.2	67.6	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3000		58.6	60.1	67.4	69.4	75.3	76.7	78.3	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 2500		61.4	63.0	70.5	72.5	78.7	80.1	81.7	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 2000		64.2	66.0	75.2	77.2	84.3	85.8	87.8	88.1	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7
GE 1800		65.3	67.1	76.2	78.5	85.8	87.4	89.5	89.7	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 1500		66.8	68.6	78.4	80.9	88.2	90.0	92.4	92.7	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200		68.2	70.0	80.3	83.5	91.2	93.1	95.8	96.1	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000		68.4	70.2	80.8	84.1	91.7	94.1	97.0	97.4	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 900		68.4	70.2	80.8	84.1	91.8	94.2	97.1	97.6	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 800		68.4	70.2	81.1	84.5	92.3	94.6	97.5	98.1	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 700		68.4	70.2	81.1	84.5	92.3	94.6	97.5	98.1	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 600		68.4	70.2	81.1	84.5	92.5	94.8	97.7	98.3	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 500		68.4	70.2	81.1	84.5	92.5	94.9	98.1	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400		68.4	70.2	81.1	84.5	92.5	94.9	98.1	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300		68.4	70.2	81.1	84.5	92.5	94.9	98.1	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200		68.4	70.2	81.1	84.5	92.5	94.9	98.1	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 100		68.4	70.2	81.1	84.5	92.5	94.9	98.1	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 000		68.4	70.2	81.1	84.5	92.6	95.1	98.2	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: JUN 78 - MAY 88

LST TO UTC: - 1

MONTH: MAR HOURS: 21-23

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.1	29.8	34.5	35.4	37.3	37.4	38.1	38.7	38.9	39.2	39.5	39.5	39.5	39.5	39.5	39.5
GE 20000	31.6	32.4	37.6	38.7	40.9	41.1	42.0	42.8	43.0	43.4	43.7	43.7	43.7	43.7	43.7	43.7
GE 18000	31.6	32.4	37.6	38.7	40.9	41.1	42.0	42.8	43.0	43.4	43.7	43.7	43.7	43.7	43.7	43.7
GE 16000	31.6	32.4	37.6	38.7	40.9	41.1	42.0	42.8	43.0	43.4	43.7	43.7	43.7	43.7	43.7	43.7
GE 14000	31.6	32.4	37.6	38.7	40.9	41.1	42.0	42.8	43.0	43.4	43.7	43.7	43.7	43.7	43.7	43.7
GE 12000	31.8	32.6	37.8	38.9	41.1	41.3	42.3	43.0	43.4	44.0	44.2	44.2	44.2	44.2	44.2	44.2
GE 10000	33.7	34.4	40.0	41.1	43.2	43.4	44.4	45.2	45.6	46.1	46.3	46.3	46.3	46.3	46.3	46.3
GE 9000	33.8	34.5	40.2	41.3	43.7	43.9	44.8	45.6	46.0	46.6	46.8	46.8	46.8	46.8	46.8	46.8
GE 8000	35.5	36.2	41.9	43.0	45.5	46.0	47.4	48.3	48.7	49.2	49.5	49.5	49.5	49.5	49.5	49.5
GE 7000	36.5	37.2	42.9	44.0	46.5	47.0	48.4	49.2	49.7	50.2	50.4	50.4	50.4	50.4	50.4	50.4
GE 6000	36.8	37.5	43.4	44.5	47.1	47.6	49.0	49.9	50.3	50.9	51.1	51.1	51.1	51.1	51.1	51.1
GE 5000	40.2	41.0	47.1	48.3	51.0	51.5	52.9	53.8	54.2	54.7	54.9	54.9	54.9	54.9	54.9	54.9
GE 4500	43.1	43.9	50.9	52.4	55.6	56.2	57.6	58.5	59.0	59.6	59.8	59.8	59.8	59.8	59.8	59.8
GE 4000	47.2	48.1	55.2	57.0	60.5	61.2	63.3	64.3	64.9	65.5	65.7	65.7	65.7	65.7	65.7	65.7
GE 3500	50.2	51.4	58.6	60.6	64.4	65.1	67.2	68.2	68.8	69.4	69.6	69.6	69.6	69.6	69.6	69.6
GE 3000	54.8	56.1	64.2	66.7	71.1	71.9	74.4	75.4	76.0	76.6	76.8	76.8	76.8	76.8	76.8	76.8
GE 2500	59.2	60.8	68.9	71.6	76.9	77.7	80.2	81.2	82.3	82.8	83.0	83.0	83.0	83.0	83.0	83.0
GE 2000	62.0	63.8	73.0	75.8	81.1	82.0	84.7	85.7	86.9	87.4	87.6	87.6	87.6	87.6	87.6	87.6
GE 1800	62.6	64.3	73.5	76.3	81.7	82.7	85.4	86.3	87.5	88.1	88.3	88.3	88.3	88.3	88.3	88.3
GE 1500	64.3	66.1	75.8	78.8	84.3	85.4	88.2	89.5	90.6	91.2	91.4	91.4	91.4	91.4	91.4	91.4
GE 1200	66.0	67.8	78.0	81.0	87.0	88.2	91.2	92.5	93.8	94.3	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	66.3	68.2	79.1	82.4	88.8	90.3	93.4	94.8	96.2	96.9	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	66.8	68.6	79.9	83.2	89.8	91.4	94.6	96.0	97.5	98.2	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	66.8	68.6	80.0	83.3	89.9	91.5	94.8	96.2	97.7	98.4	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	66.8	68.6	80.0	83.3	89.9	91.6	95.1	96.5	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	66.8	68.6	80.1	83.5	90.2	92.0	95.5	96.9	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	66.8	68.6	80.1	83.5	90.2	92.0	95.5	96.9	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	66.8	68.6	80.1	83.5	90.2	92.0	95.5	97.0	98.6	99.4	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	66.8	68.6	80.1	83.5	90.2	92.0	95.5	97.0	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	66.8	68.6	80.1	83.5	90.2	92.0	95.5	97.0	98.7	99.5	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	66.8	68.6	80.1	83.5	90.2	92.0	95.5	97.0	98.7	99.5	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	66.8	68.6	80.1	83.5	90.2	92.0	95.5	97.0	98.7	99.5	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.6	19.0	22.4	23.5	26.5	27.0	27.7	28.3	28.6	29.0	29.3	29.4	29.6	29.7	29.9	30.0
GE 20000	21.7	22.2	26.2	27.4	30.7	31.5	32.6	33.4	33.7	34.2	34.6	34.7	34.9	34.9	35.1	35.2
GE 18000	21.9	22.3	26.4	27.6	30.9	31.7	32.8	33.6	33.9	34.4	34.8	34.9	35.1	35.1	35.3	35.4
GE 16000	21.9	22.3	26.4	27.6	30.9	31.7	32.8	33.6	34.0	34.5	34.8	34.9	35.1	35.2	35.3	35.5
GE 14000	22.0	22.4	26.5	27.7	31.0	31.8	32.9	33.7	34.0	34.6	34.9	35.0	35.2	35.3	35.4	35.6
GE 12000	22.5	22.9	27.0	28.1	31.5	32.3	33.4	34.2	34.6	35.1	35.5	35.6	35.8	35.8	36.0	36.1
GE 10000	24.1	24.6	29.0	30.2	33.7	34.5	35.6	36.4	36.8	37.4	37.7	37.8	38.1	38.1	38.3	38.4
GE 9000	24.5	24.9	29.4	30.6	34.2	35.0	36.1	36.9	37.3	37.9	38.2	38.4	38.6	38.6	38.8	39.0
GE 8000	26.3	26.8	31.5	32.7	36.6	37.6	38.8	39.8	40.2	40.9	41.3	41.4	41.6	41.6	41.8	42.0
GE 7000	27.2	27.7	32.5	33.8	37.7	38.7	40.0	40.9	41.4	42.0	42.4	42.6	42.8	42.8	43.0	43.2
GE 6000	27.7	28.2	33.0	34.3	38.4	39.4	40.6	41.6	42.1	42.7	43.1	43.2	43.4	43.5	43.7	43.8
GE 5000	29.8	30.3	35.3	36.7	41.0	42.0	43.3	44.4	44.8	45.5	45.9	46.1	46.3	46.3	46.5	46.7
GE 4500	32.4	33.0	38.3	39.9	44.3	45.5	46.9	48.1	4.6	49.3	49.7	49.8	50.0	50.1	50.3	50.5
GE 4000	36.2	36.9	42.6	44.3	49.2	50.4	52.1	53.4	54.0	54.8	55.3	55.4	55.6	55.7	55.9	56.1
GE 3500	39.9	40.7	46.8	48.7	53.7	55.0	56.7	58.0	58.6	59.4	59.9	60.0	60.2	60.3	60.5	60.7
GE 3000	46.6	47.6	54.6	56.7	62.4	63.8	65.6	67.1	67.8	68.7	69.2	69.4	69.6	69.7	69.9	70.1
GE 2500	50.2	51.4	58.8	61.1	67.1	68.6	70.4	72.0	72.7	73.7	74.2	74.4	74.6	74.7	74.9	75.1
GE 2000	53.9	55.2	63.8	66.4	73.2	75.0	77.1	78.7	79.5	80.6	81.2	81.4	81.6	81.6	81.9	82.1
GE 1800	54.7	56.0	64.7	67.4	74.4	76.2	78.4	80.0	80.9	81.9	82.5	82.7	82.9	83.0	83.2	83.4
GE 1500	57.1	58.5	67.8	70.8	78.7	80.9	83.2	85.1	86.0	87.1	87.7	87.9	88.1	88.2	88.4	88.6
GE 1200	58.9	60.4	70.4	73.6	81.9	84.5	87.1	89.0	90.0	91.3	91.9	92.1	92.4	92.4	92.7	92.8
GE 1000	59.7	61.2	71.7	75.1	83.7	86.5	89.1	91.1	92.3	93.8	94.5	94.7	94.9	95.0	95.3	95.5
GE 900	59.9	61.5	72.1	75.5	84.2	87.1	89.9	92.0	93.2	94.7	95.4	95.7	95.9	96.0	96.2	96.4
GE 800	60.0	61.6	72.4	75.8	84.6	87.6	90.6	92.8	94.0	95.6	96.3	96.6	96.8	96.9	97.2	97.3
GE 700	60.1	61.7	72.6	76.1	85.1	88.2	91.3	93.7	94.9	96.6	97.4	97.6	97.9	98.0	98.2	98.4
GE 600	60.1	61.7	72.7	76.1	85.2	88.3	91.5	94.0	95.2	96.9	97.7	98.0	98.2	98.3	98.6	98.7
GE 500	60.1	61.7	72.7	76.1	85.2	88.4	91.7	94.2	95.4	97.2	98.0	98.2	98.5	98.6	98.8	99.0
GE 400	60.1	61.7	72.7	76.2	85.2	88.4	91.7	94.2	95.5	97.3	98.1	98.4	98.6	98.7	99.0	99.1
GE 300	60.1	61.7	72.7	76.2	85.2	88.4	91.7	94.2	95.6	97.4	98.3	98.5	98.8	98.9	99.2	99.4
GE 200	60.1	61.7	72.7	76.2	85.2	88.4	91.7	94.2	95.6	97.4	98.3	98.5	98.9	99.0	99.5	99.9
GE 100	60.1	61.7	72.7	76.2	85.2	88.4	91.7	94.2	95.6	97.4	98.3	98.5	98.9	99.0	99.5	100.0
GE 000	60.1	61.7	72.7	76.2	85.2	88.4	91.7	94.2	95.6	97.4	98.3	98.6	98.9	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 00-02

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.3	42.9	46.2	47.1	48.9	49.2	49.2	49.6	49.6	49.8	49.8	49.9	50.1	50.1	50.1	50.1
GE 20000	44.0	44.8	48.8	49.9	52.3	53.1	53.1	53.4	53.4	53.7	53.7	53.8	54.0	54.0	54.1	54.1
GE 18000	44.1	44.9	48.9	50.0	52.4	53.2	53.2	53.6	53.6	53.8	53.8	53.9	54.1	54.1	54.2	54.2
GE 16000	44.1	44.9	48.9	50.0	52.4	53.2	53.2	53.6	53.6	53.8	53.8	53.9	54.1	54.1	54.2	54.2
GE 14000	44.2	45.0	49.0	50.1	52.6	53.3	53.3	53.7	53.7	53.9	53.9	54.0	54.2	54.2	54.3	54.3
GE 12000	44.3	45.1	49.1	50.2	52.7	53.4	53.4	53.8	53.8	54.0	54.0	54.1	54.3	54.3	54.4	54.4
GE 10000	47.7	48.4	52.8	54.0	56.4	57.2	57.2	57.6	57.6	57.8	57.8	57.9	58.1	58.1	58.2	58.2
GE 9000	48.1	49.0	53.7	55.0	57.7	58.4	58.4	58.8	58.8	59.0	59.0	59.1	59.3	59.3	59.4	59.4
GE 8000	50.3	51.2	56.2	57.8	60.4	61.2	61.2	62.0	62.0	62.3	62.3	62.4	62.7	62.8	62.9	62.9
GE 7000	51.9	52.9	57.9	59.4	62.2	63.0	63.3	64.1	64.1	64.4	64.4	64.6	64.8	64.9	65.0	65.0
GE 6000	52.7	53.8	59.0	60.6	63.3	64.1	64.4	65.2	65.2	65.6	65.6	65.7	65.9	66.0	66.1	66.1
GE 5000	57.6	58.8	64.2	66.0	69.1	69.9	70.3	71.1	71.1	71.4	71.4	71.6	71.8	71.9	72.0	72.0
GE 4500	60.8	62.0	68.0	69.8	72.9	73.7	74.1	74.9	74.9	75.2	75.2	75.3	75.6	75.7	75.8	75.8
GE 4000	65.2	66.6	73.1	74.9	78.0	78.8	79.2	80.0	80.3	80.7	80.7	80.8	81.0	81.1	81.2	81.2
GE 3500	67.9	69.2	75.9	77.8	81.9	82.8	83.2	84.0	84.3	84.7	84.7	84.8	85.0	85.1	85.2	85.2
GE 3000	70.0	71.3	78.3	80.2	84.7	85.6	86.0	86.8	87.1	87.6	87.6	87.7	87.9	88.0	88.1	88.4
GE 2500	71.1	72.4	79.4	81.3	85.9	86.9	87.3	88.1	88.4	88.9	88.9	89.0	89.2	89.3	89.4	89.8
GE 2000	72.0	73.3	80.9	82.8	88.1	89.6	90.0	90.8	91.1	91.6	91.6	91.7	91.9	92.0	92.1	92.4
GE 1800	72.1	73.4	81.0	82.9	88.2	89.7	90.1	90.9	91.2	91.7	91.7	91.8	92.0	92.1	92.2	92.6
GE 1500	72.9	74.2	81.8	83.7	89.2	90.7	91.1	91.9	92.4	92.9	92.9	93.0	93.2	93.3	93.4	93.8
GE 1200	73.1	74.4	82.2	84.2	90.0	91.4	91.9	92.8	93.4	93.9	93.9	94.0	94.2	94.3	94.4	94.8
GE 1000	73.2	74.6	82.3	84.4	90.4	91.9	92.7	93.6	94.2	94.9	94.9	95.0	95.2	95.3	95.4	95.8
GE 900	73.3	74.7	82.4	84.6	90.6	92.0	92.8	93.9	94.6	95.4	95.4	95.6	95.8	95.9	96.0	96.3
GE 800	73.3	74.7	82.6	84.7	91.0	92.9	93.7	94.8	95.4	96.3	96.3	96.4	96.7	96.8	96.9	97.2
GE 700	73.6	74.9	82.9	85.0	91.3	93.2	94.0	95.6	96.2	97.1	97.1	97.2	97.4	97.6	97.7	98.1
GE 600	73.6	74.9	82.9	85.0	91.3	93.2	94.0	95.6	96.2	97.1	97.1	97.2	97.4	97.6	97.7	98.2
GE 500	73.6	74.9	82.9	85.0	91.3	93.2	94.2	95.8	96.6	97.4	97.4	97.6	97.8	97.9	98.0	98.6
GE 400	73.6	74.9	82.9	85.0	91.4	93.3	94.3	95.9	96.7	97.6	97.6	97.7	97.9	98.2	98.4	99.0
GE 300	73.6	74.9	82.9	85.0	91.6	93.4	94.4	96.3	97.3	98.2	98.2	98.3	98.6	98.9	99.1	99.8
GE 200	73.6	74.9	82.9	85.0	91.6	93.4	94.4	96.3	97.3	98.2	98.2	98.3	98.6	98.9	99.1	99.8
GE 100	73.6	74.9	82.9	85.0	91.6	93.4	94.4	96.3	97.3	98.2	98.2	98.3	98.6	98.9	99.1	99.9
GE 000	73.6	74.9	82.9	85.0	91.6	93.4	94.4	96.3	97.3	98.2	98.2	98.3	98.6	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.4	34.9	40.4	41.1	44.2	44.8	45.9	46.0	46.0	46.4	46.7	46.7	46.7	46.8	46.8	46.9
GE 20000	35.7	37.1	43.3	44.1	48.2	49.0	50.4	50.6	50.6	51.1	51.3	51.4	51.4	51.6	51.6	51.9
GE 18000	36.8	37.2	43.4	44.2	48.3	49.1	50.6	50.7	50.7	51.2	51.4	51.6	51.6	51.7	51.7	52.0
GE 16000	36.8	37.2	43.4	44.2	48.3	49.1	50.6	50.7	50.7	51.2	51.4	51.6	51.6	51.7	51.7	52.0
GE 14000	36.9	37.3	43.6	44.3	48.4	49.2	50.7	50.8	50.8	51.3	51.6	51.7	51.7	51.8	51.8	52.1
GE 12000	37.0	37.4	43.7	44.4	48.6	49.3	50.8	50.9	50.9	51.6	51.8	51.9	51.9	52.0	52.0	52.3
GE 10000	38.9	39.3	46.0	46.9	51.1	51.9	53.3	53.4	53.4	54.1	54.3	54.4	54.4	54.6	54.6	54.9
GE 9000	39.3	39.8	46.4	47.3	51.7	52.4	53.9	54.0	54.0	54.7	54.9	55.0	55.0	55.1	55.1	55.4
GE 8000	41.7	42.1	49.4	50.4	54.9	55.8	57.2	57.7	57.7	58.3	58.8	59.0	59.0	59.1	59.1	59.4
GE 7000	42.3	42.8	50.1	51.1	55.6	56.6	58.1	58.6	58.6	59.2	59.7	59.9	59.9	60.0	60.0	60.3
GE 6000	42.8	43.2	50.8	51.9	56.3	57.3	58.9	59.3	59.3	60.0	60.4	60.7	60.7	60.8	60.8	61.1
GE 5000	46.1	46.7	54.9	56.0	60.8	61.8	63.3	63.9	63.9	64.6	65.0	65.2	65.2	65.3	65.3	65.7
GE 4500	48.9	49.6	58.2	59.4	64.6	65.8	67.3	67.9	67.9	68.6	69.0	69.2	69.2	69.3	69.3	69.7
GE 4000	51.6	52.6	62.3	63.7	68.9	70.2	72.0	72.8	72.8	73.6	74.0	74.2	74.2	74.3	74.4	75.0
GE 3500	53.9	54.9	64.9	66.6	72.6	74.3	76.1	76.9	77.0	77.8	78.3	78.6	78.6	78.7	78.8	79.3
GE 3000	58.0	59.1	69.8	71.4	77.9	79.8	81.6	82.3	82.4	83.2	83.8	84.0	84.0	84.1	84.2	84.9
GE 2500	59.8	60.9	71.7	73.3	80.0	82.2	84.0	84.8	84.9	85.7	86.2	86.4	86.4	86.6	86.8	87.4
GE 2000	61.2	62.3	74.0	75.7	82.6	84.8	86.7	87.4	87.6	88.4	89.0	89.2	89.3	89.4	89.7	90.3
GE 1800	61.4	62.6	74.4	76.1	83.0	85.2	87.1	87.9	88.0	88.9	89.4	89.7	89.8	89.9	90.1	90.8
GE 1500	62.4	63.6	75.9	77.7	84.9	87.1	89.1	89.9	90.0	90.9	91.4	91.7	91.8	91.9	92.1	92.8
GE 1200	62.7	63.9	76.3	78.1	86.0	88.2	90.2	91.0	91.2	92.1	92.7	92.9	93.0	93.1	93.3	94.0
GE 1000	62.9	64.1	76.7	78.4	86.7	88.9	90.9	91.7	91.9	92.8	93.3	93.6	93.7	93.8	94.0	94.7
GE 900	63.0	64.2	76.8	78.6	86.8	89.0	91.0	91.9	92.3	93.2	93.8	94.0	94.1	94.4	94.8	95.4
GE 800	63.0	64.2	76.8	78.7	87.1	89.3	91.3	92.2	92.7	93.6	94.1	94.3	94.4	94.8	95.1	95.8
GE 700	63.0	64.2	76.8	78.7	87.4	89.7	91.7	93.0	93.4	94.3	94.9	95.1	95.2	95.6	95.9	96.6
GE 600	63.0	64.2	76.8	78.7	87.8	90.0	92.0	93.3	94.0	95.0	95.7	96.0	96.1	96.4	96.8	97.4
GE 500	63.0	64.2	76.8	78.7	87.8	90.0	92.3	93.8	94.6	95.6	96.2	96.6	96.7	97.0	97.3	98.0
GE 400	63.0	64.2	76.8	78.7	87.8	90.0	92.6	94.0	94.8	95.8	96.4	97.0	97.1	97.6	97.9	98.6
GE 300	63.0	64.2	76.8	78.7	87.8	90.0	92.6	94.1	94.9	96.1	96.8	97.3	97.6	98.0	98.3	99.3
GE 200	63.0	64.2	76.8	78.7	87.8	90.0	92.6	94.1	94.9	96.1	96.8	97.3	97.7	98.2	98.8	99.9
GE 100	63.0	64.2	76.8	78.7	87.8	90.0	92	94.1	94.9	96.1	96.8	97.3	97.7	98.2	98.8	100.0
GE 000	63.0	64.2	76.8	78.7	87.8	90.0	92.6	94.1	94.9	96.1	96.8	97.3	97.7	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.8	21.2	28.7	30.7	33.6	35.0	35.6	36.6	36.9	37.9	38.1	38.2	38.4	38.7	38.7	39.2
GE 20000	21.9	22.4	30.4	32.7	36.6	38.4	39.1	40.1	40.4	41.7	42.1	42.2	42.4	42.7	42.7	43.2
GE 18000	21.9	22.4	30.4	32.7	36.6	38.4	39.1	40.1	40.4	41.7	42.1	42.2	42.4	42.7	42.7	43.2
GE 16000	21.9	22.4	30.4	32.7	36.6	38.4	39.1	40.1	40.4	41.7	42.1	42.2	42.4	42.7	42.7	43.2
GE 14000	22.0	22.6	30.6	32.8	36.7	38.6	39.2	40.2	40.6	41.8	42.2	42.3	42.6	42.8	42.8	43.3
GE 12000	22.1	22.7	30.7	32.9	36.8	38.7	39.3	40.3	40.7	41.9	42.3	42.4	42.7	42.9	42.9	43.4
GE 10000	24.0	24.7	33.0	35.4	39.7	41.8	42.6	43.7	44.0	45.2	45.8	45.9	46.2	46.4	46.4	47.1
GE 9000	24.6	25.2	33.6	36.2	40.6	42.7	43.4	44.6	44.9	46.1	46.7	46.8	47.1	47.3	47.3	48.0
GE 8000	26.0	26.7	35.4	38.2	43.6	46.0	46.8	47.9	48.3	49.7	50.7	51.0	51.3	51.7	51.8	52.4
GE 7000	26.9	27.6	36.6	39.3	45.0	47.4	48.2	49.6	50.0	51.4	52.4	52.8	53.1	53.4	53.6	54.2
GE 6000	27.6	28.2	37.3	40.3	46.1	48.6	49.3	50.7	51.1	52.6	53.6	53.9	54.2	54.6	54.7	55.3
GE 5000	30.2	30.9	41.1	44.6	50.7	53.1	53.9	55.3	55.8	57.3	58.3	58.7	59.0	59.3	59.4	60.1
GE 4500	31.9	32.6	43.4	47.1	53.6	56.0	56.8	58.2	58.7	60.3	61.3	61.7	62.0	62.3	62.4	63.1
GE 4000	35.4	36.2	47.3	51.2	59.2	62.2	63.4	64.9	65.3	67.6	68.6	68.9	69.2	69.6	69.7	70.3
GE 3500	37.2	38.1	49.3	53.4	61.8	64.9	66.1	67.7	68.1	70.4	71.4	71.8	72.1	72.4	72.6	73.3
GE 3000	41.2	42.2	54.3	58.7	68.0	71.2	72.8	74.3	74.8	77.1	78.1	78.6	78.9	79.2	79.3	80.1
GE 2500	43.0	44.1	56.4	60.9	70.3	73.6	75.1	76.7	77.1	79.6	80.6	81.0	81.3	81.7	81.8	82.6
GE 2000	44.4	45.6	58.4	63.1	73.2	76.6	78.1	79.7	80.1	82.6	83.6	84.0	84.3	84.7	84.8	85.6
GE 1800	45.2	46.3	59.2	63.9	74.0	77.3	78.9	80.4	80.9	83.3	84.3	84.8	85.1	85.4	85.6	86.3
GE 1500	46.6	47.7	61.9	66.9	77.8	81.4	83.2	84.8	85.3	87.8	88.8	89.2	89.6	89.9	90.0	90.8
GE 1200	46.7	47.8	62.7	67.9	79.1	82.9	84.9	86.4	87.0	89.4	90.4	90.9	91.2	91.6	91.7	92.4
GE 1000	46.9	48.0	63.2	68.6	80.2	84.0	86.0	87.7	88.2	90.9	91.9	92.3	92.7	93.0	93.1	93.9
GE 900	47.1	48.2	63.4	68.8	80.4	84.6	86.6	88.2	88.8	91.8	92.8	93.2	93.6	93.9	94.0	94.8
GE 800	47.1	48.2	63.6	68.9	80.6	84.7	86.7	88.3	88.9	91.9	92.9	93.3	93.7	94.0	94.1	94.9
GE 700	47.1	48.2	63.6	68.9	80.8	84.9	87.0	88.8	89.3	92.3	93.7	94.1	94.4	94.8	94.9	95.8
GE 600	47.1	48.2	63.6	68.9	80.9	85.0	87.1	88.9	89.4	92.6	93.9	94.3	94.7	95.0	95.1	96.0
GE 500	47.1	48.2	63.6	68.9	80.9	85.3	87.8	89.6	90.1	93.3	94.8	95.2	95.8	96.2	96.4	97.6
GE 400	47.1	48.2	63.6	68.9	80.9	85.3	87.8	89.6	90.2	93.6	95.0	95.4	96.0	96.4	96.7	97.8
GE 300	47.1	48.2	63.6	68.9	80.9	85.3	87.9	89.7	90.4	93.9	95.3	95.8	96.4	96.9	97.1	98.6
GE 200	47.1	48.2	63.6	68.9	80.9	85.3	87.9	89.7	90.4	93.9	95.6	96.0	96.7	97.3	97.8	99.4
GE 100	47.1	48.2	63.6	68.9	8.9	85.3	87.9	89.7	90.4	93.9	95.6	96.0	96.8	97.4	97.9	100.0
GE 000	47.1	48.2	63.6	68.9	80.9	85.3	87.9	89.7	90.4	93.9	95.6	96.0	96.8	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.0	28.9	33.2	34.2	36.9	37.3	37.9	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.3	38.3
GE 20000	31.1	32.2	37.4	38.6	41.4	42.1	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.2	43.2
GE 18000	31.1	32.2	37.7	38.8	41.7	42.3	43.0	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.4	43.4
GE 16000	31.1	32.2	37.7	38.8	41.7	42.3	43.0	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.4	43.4
GE 14000	31.3	32.4	37.9	39.0	41.9	42.6	43.2	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.7	43.7
GE 12000	31.7	32.8	38.3	39.4	42.3	43.0	43.7	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.3	44.3
GE 10000	32.8	33.9	40.1	41.2	44.1	44.9	45.6	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.3	46.3
GE 9000	33.6	34.7	41.0	42.4	45.6	46.3	47.0	47.4	47.6	47.7	47.7	47.7	47.7	47.7	47.8	47.8
GE 8000	35.7	36.8	43.6	45.3	48.8	49.6	50.2	50.7	50.8	51.1	51.1	51.1	51.1	51.1	51.2	51.2
GE 7000	36.6	37.7	44.7	46.7	50.2	51.1	51.8	52.3	52.7	53.1	53.1	53.1	53.1	53.1	53.2	53.2
GE 6000	36.7	37.8	45.1	47.1	50.7	51.8	52.4	53.0	53.3	53.8	53.8	53.8	53.8	53.8	53.9	53.9
GE 5000	38.6	39.7	47.3	49.8	53.8	54.9	55.6	56.2	56.6	57.0	57.0	57.0	57.0	57.0	57.1	57.1
GE 4500	39.3	40.4	48.4	50.9	54.9	56.0	56.7	57.3	57.7	58.1	58.1	58.1	58.1	58.1	58.2	58.2
GE 4000	41.9	43.1	51.6	54.4	58.7	59.8	61.1	61.8	62.1	62	62.6	62.6	62.6	62.6	62.7	62.7
GE 3500	45.8	47.2	56.6	59.7	64.2	65.4	66.9	67.7	68.0	68	68.4	68.4	68.4	68.4	68.6	68.7
GE 3000	54.0	55.8	65.9	69.4	74.7	76.1	77.9	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.8	79.9
GE 2500	55.6	57.6	68.2	71.9	77.6	79.0	80.8	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.7	82.8
GE 2000	58.1	60.0	71.8	75.7	82.0	83.6	85.4	86.2	86.7	87.3	87.3	87.3	87.3	87.3	87.4	87.6
GE 1800	58.6	60.4	72.3	76.4	82.8	84.3	86.2	87.0	87.4	88.1	88.1	88.1	88.1	88.1	88.2	88.3
GE 1500	59.9	62.0	75.8	79.9	87.2	88.9	90.9	91.7	92.1	92.9	92.9	92.9	92.9	92.9	93.0	93.1
GE 1200	60.2	62.3	76.8	81.2	88.8	90.6	92.8	93.7	94.1	94.9	94.9	94.9	95.0	95.0	95.1	95.2
GE 1000	60.2	62.3	76.9	81.6	89.9	91.9	94.2	95.4	95.9	96.7	96.8	96.8	96.9	96.9	97.0	97.1
GE 900	60.2	62.3	77.1	81.8	90.2	92.3	94.7	95.9	96.6	97.4	97.7	97.7	97.8	97.8	97.9	98.0
GE 800	60.4	62.6	77.3	82.0	90.4	92.7	95.0	96.2	96.9	97.8	98.1	98.1	98.2	98.2	98.3	98.4
GE 700	60.4	62.6	77.3	82.0	90.4	92.7	95.0	96.4	97.1	98.0	98.6	98.6	98.7	98.7	98.8	98.9
GE 600	60.4	62.6	77.3	82.1	90.6	92.8	95.1	96.6	97.2	98.1	98.7	98.7	98.8	98.8	98.9	99.0
GE 500	60.4	62.6	77.3	82.1	90.6	92.8	95.1	96.6	97.2	98.2	98.8	98.8	99.1	99.1	99.2	99.3
GE 400	60.6	62.7	77.4	82.2	90.7	92.9	95.2	96.7	97.3	98.6	99.2	99.3	99.7	99.7	99.8	99.9
GE 300	60.6	62.7	77.4	82.2	90.7	92.9	95.2	96.7	97.3	98.7	99.3	99.4	99.8	99.8	99.9	100.0
GE 200	60.6	62.7	77.4	82.2	90.7	92.9	95.2	96.7	97.3	98.7	99.3	99.4	99.8	99.8	99.9	100.0
GE 100	60.6	62.7	77.4	82.2	90.7	92.9	95.2	96.7	97.3	98.7	99.3	99.4	99.8	99.8	99.9	100.0
GE 000	60.6	62.7	77.4	82.2	90.7	92.9	95.2	96.7	97.3	98.7	99.3	99.4	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.7	31.4	32.0	32.1	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 20000	36.2	37.6	39.0	39.3	40.4	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 18000	36.4	37.8	39.2	39.6	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 16000	36.7	38.0	39.4	39.8	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 14000	36.7	38.0	39.4	39.8	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 12000	37.0	38.4	40.2	40.6	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 10000	39.1	40.6	42.6	42.9	44.0	44.1	44.2	44.2	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 9000	40.3	41.8	44.2	44.6	45.7	45.8	45.9	45.9	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000	41.7	43.1	45.8	46.2	47.3	47.4	47.6	47.6	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 7000	43.0	44.4	47.1	47.7	48.9	49.0	49.1	49.1	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 6000	43.3	44.8	47.8	48.3	49.6	49.7	49.8	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 5000	46.7	48.2	51.9	52.6	53.8	53.9	54.0	54.0	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 4500	47.7	49.2	52.9	53.6	54.8	54.9	55.0	55.0	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 4000	51.0	53.1	57.6	58.3	60.0	60.1	60.3	60.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 3500	59.6	61.8	67.1	68.1	70.0	70.2	70.4	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3000	69.3	71.7	78.1	79.2	81.7	82.1	82.3	82.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	73.0	75.4	82.4	83.6	86.0	86.4	86.7	86.8	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2000	75.3	77.9	85.8	87.1	89.7	90.2	90.7	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	76.0	78.6	86.7	88.0	90.6	91.1	91.6	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1500	77.6	80.1	89.3	90.8	93.9	94.6	95.1	95.2	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	77.9	80.4	90.1	91.7	94.8	95.4	96.1	96.3	96.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 1000	78.2	80.8	90.9	92.4	95.7	96.3	97.0	97.2	97.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6
GE 900	78.3	80.9	91.1	92.7	95.9	96.9	97.6	97.8	98.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 800	78.3	80.9	91.1	92.7	95.9	96.9	97.6	97.8	98.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6
GE 700	78.3	80.9	91.1	92.7	95.9	97.0	97.7	97.9	98.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	78.3	80.9	91.1	92.7	95.9	97.0	97.7	97.9	98.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	78.3	80.9	91.1	92.7	95.9	97.0	97.7	98.0	98.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	78.3	80.9	91.1	92.7	95.9	97.0	97.7	98.0	98.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	78.3	80.9	91.1	92.7	95.9	97.0	97.7	98.0	98.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	78.3	80.9	91.1	92.7	95.9	97.0	97.7	98.0	98.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	78.3	80.9	91.1	92.7	95.9	97.0	97.7	98.0	98.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	78.3	80.9	91.1	92.7	95.9	97.0	97.7	98.0	98.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.7	31.3	32.2	32.2	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 20000	37.8	38.4	40.2	40.2	41.0	41.0	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 18000	38.6	39.2	41.0	41.0	41.8	41.8	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 16000	38.7	39.3	41.1	41.1	41.9	41.9	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 14000	38.7	39.3	41.1	41.1	41.9	41.9	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000	38.9	39.6	41.3	41.3	42.1	42.1	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 10000	42.2	43.0	44.9	44.9	45.7	45.7	46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 9000	43.8	44.6	46.7	46.8	47.6	47.6	48.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 8000	46.9	47.7	50.0	50.1	50.9	50.9	51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 7000	48.2	49.1	51.6	51.7	52.4	52.4	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 6000	48.8	49.8	52.4	52.6	53.3	53.3	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 5000	51.4	52.4	55.4	55.6	56.3	56.3	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 4500	54.1	55.1	58.1	58.2	59.0	59.0	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 4000	59.2	60.3	64.1	64.4	65.3	65.3	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 3500	67.4	68.8	72.8	73.1	74.2	74.2	74.8	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 3000	77.4	79.0	84.0	84.3	85.7	86.0	86.7	86.7	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	81.7	83.3	88.8	89.2	90.6	91.0	91.7	91.7	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2000	84.0	85.7	91.6	92.0	93.3	93.8	94.4	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	84.2	85.9	91.8	92.2	93.7	94.2	94.9	95.0	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	85.2	86.9	93.4	93.9	95.8	96.3	97.1	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	85.3	87.0	93.7	94.1	96.0	96.8	97.7	97.8	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	85.7	87.3	94.0	94.4	96.3	97.3	98.2	98.3	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	85.7	87.3	94.0	94.4	96.7	97.7	98.6	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	85.7	87.3	94.0	94.4	96.7	97.9	98.8	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	85.7	87.3	94.0	94.4	96.7	97.9	98.8	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	85.7	87.3	94.0	94.4	96.7	97.9	98.8	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	85.7	87.3	94.0	94.4	96.7	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.7	87.3	94.0	94.4	96.7	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.7	87.3	94.0	94.4	96.7	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.7	87.3	94.0	94.4	96.7	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.7	87.3	94.0	94.4	96.7	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.7	87.3	94.0	94.4	96.7	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: JUN 78 - MAY 88

LST TO UTC: - 1

MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.0	38.2	39.8	39.9	40.2	40.2	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 20000	45.7	45.9	48.0	48.3	49.1	49.1	49.2	49.4	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 18000	46.6	46.8	48.9	49.2	50.0	50.0	50.1	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 16000	46.6	46.8	48.9	49.2	50.0	50.0	50.1	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 14000	46.8	47.0	49.1	49.4	50.2	50.2	50.3	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 12000	47.3	47.6	49.8	50.1	50.9	50.9	51.0	51.2	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 10000	50.7	51.0	53.6	53.9	54.7	54.7	54.9	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 9000	51.8	52.1	54.9	55.3	56.1	56.1	56.3	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 8000	54.7	55.0	58.2	58.7	59.6	59.6	59.9	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 7000	57.0	57.3	60.8	61.2	62.1	62.1	62.4	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 6000	57.9	58.3	61.8	62.2	63.1	63.1	63.4	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 5000	60.7	61.1	64.7	65.1	66.1	66.1	66.4	66.9	66.9	67.2	67.3	67.3	67.3	67.3	67.3	67.3
GE 4500	63.9	64.7	68.6	69.0	70.1	70.1	70.4	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3
GE 4000	69.0	69.9	74.3	74.8	76.4	76.4	76.8	77.2	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7
GE 3500	72.6	73.6	78.2	79.2	81.1	81.2	81.6	82.0	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4
GE 3000	77.7	78.7	84.6	85.8	87.9	88.2	88.6	89.0	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	78.4	79.4	86.3	87.8	90.3	90.8	91.1	91.6	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1
GE 2000	80.2	81.2	89.2	91.0	94.1	94.6	94.9	95.3	95.3	95.7	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	80.2	81.2	89.3	91.1	94.3	94.9	95.2	95.7	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	80.3	81.4	90.0	91.8	95.0	95.7	96.0	96.4	96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	80.3	81.4	90.3	92.3	95.9	96.7	97.3	97.9	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	80.3	81.6	90.4	92.4	96.2	97.1	97.9	98.4	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	80.3	81.6	90.4	92.4	96.2	97.1	97.9	98.6	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	80.3	81.6	90.4	92.4	96.2	97.2	98.0	98.7	98.7	99.3	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GF 00
NO CEIL	42.8	44.2	47.2	47.4	48.1	48.2	48.2	48.2	48.3	48.4	48.6	48.6	48.8	48.8	48.8	48.8
GE 20000	46.7	48.1	51.6	52.0	53.0	53.3	53.3	53.7	53.8	54.2	54.3	54.3	54.6	54.8	54.8	54.8
GE 18000	46.9	48.3	51.8	52.2	53.2	53.6	53.6	53.9	54.0	54.4	54.6	54.6	54.8	55.0	55.0	55.0
GE 16000	46.9	48.3	51.8	52.2	53.2	53.6	53.6	53.9	54.0	54.4	54.6	54.6	54.8	55.0	55.0	55.0
GE 14000	46.9	48.3	51.8	52.2	53.2	53.6	53.6	53.9	54.0	54.4	54.6	54.6	54.8	55.0	55.0	55.0
GE 12000	46.9	48.3	51.8	52.2	53.2	53.6	53.6	53.9	54.0	54.4	54.6	54.6	54.8	55.0	55.0	55.0
GE 10000	49.4	50.9	54.6	55.1	56.1	56.4	56.4	57.1	57.2	57.7	57.8	57.8	58.0	58.2	58.3	58.3
GE 9000	50.2	51.7	55.8	56.4	57.4	57.8	57.8	58.4	58.6	59.0	59.1	59.1	59.3	59.6	59.7	59.7
GE 8000	53.4	54.9	59.4	60.4	61.4	62.1	62.1	62.8	62.9	63.3	63.6	63.6	63.8	64.0	64.1	64.1
GE 7000	54.1	55.6	60.1	61.1	62.1	62.8	62.8	63.4	63.6	64.0	64.2	64.2	64.4	64.7	64.8	64.8
GE 6000	55.7	57.1	61.7	62.7	63.7	64.3	64.3	65.0	65.1	65.6	65.8	65.8	66.0	66.2	66.3	66.3
GE 5000	59.0	60.4	65.6	66.7	67.7	68.3	68.3	69.0	69.1	69.6	69.8	69.8	70.0	70.2	70.3	70.3
GE 4500	62.9	64.3	70.0	71.1	72.2	72.9	72.9	73.6	73.7	74.1	74.3	74.3	74.6	74.8	74.9	74.9
GE 4000	68.0	69.6	75.9	77.0	78.1	78.8	78.9	79.6	79.7	80.1	80.3	80.3	80.6	80.8	80.9	80.9
GE 3500	70.1	71.8	78.6	80.0	81.4	82.1	82.2	82.9	83.0	83.4	83.7	83.7	83.9	84.1	84.2	84.2
GE 3000	73.1	74.9	82.4	84.2	86.0	86.9	87.1	87.8	87.9	88.3	88.6	88.6	88.8	89.0	89.1	89.3
GE 2500	74.3	76.1	84.3	86.1	88.1	89.0	89.3	90.0	90.2	90.7	90.9	90.9	91.1	91.3	91.4	91.7
GE 2000	74.8	76.6	85.2	87.0	89.7	90.9	91.2	91.9	92.1	92.6	92.8	92.8	93.0	93.2	93.3	93.6
GE 1800	74.9	76.7	85.3	87.1	89.8	91.0	91.3	92.0	92.2	92.7	92.9	92.9	93.1	93.3	93.4	93.7
GE 1500	75.8	77.6	86.4	88.3	91.1	92.6	93.1	93.8	94.0	94.4	94.7	94.7	94.9	95.1	95.2	95.4
GE 1200	75.8	77.6	86.8	89.4	92.6	94.0	94.6	95.6	95.8	96.2	96.4	96.6	96.8	97.1	97.2	97.4
GE 1000	75.8	77.6	86.8	89.6	92.7	94.1	94.9	96.2	96.4	97.0	97.2	97.3	97.6	97.9	98.0	98.2
GE 900	75.8	77.6	86.8	89.7	92.8	94.2	95.0	96.6	96.8	97.3	97.6	97.7	97.9	98.2	98.3	98.6
GE 800	75.8	77.6	86.8	89.8	92.9	94.3	95.1	96.7	96.9	97.4	97.7	97.8	98.0	98.3	98.4	98.7
GE 700	75.9	77.7	86.9	89.9	93.0	94.4	95.2	96.9	97.1	97.7	97.9	98.0	98.2	98.7	98.8	99.0
GE 600	75.9	77.7	86.9	89.9	93.0	94.4	95.2	96.9	97.1	97.9	98.1	98.2	98.4	98.9	99.0	99.2
GE 500	75.9	77.7	86.9	89.9	93.0	94.6	95.6	97.2	97.4	98.2	98.4	98.6	98.8	99.2	99.3	99.6
GE 400	75.9	77.7	86.9	89.9	93.0	94.6	95.6	97.2	97.4	98.2	98.4	98.6	98.8	99.2	99.3	99.6
GE 300	75.9	77.7	86.9	89.9	93.0	94.6	95.6	97.2	97.6	98.3	98.7	98.8	99.0	99.4	99.6	99.8
GE 200	75.9	77.7	86.9	89.9	93.0	94.6	95.6	97.2	97.6	98.3	98.7	98.8	99.0	99.4	99.6	99.8
GE 100	75.9	77.7	86.9	89.9	93.0	94.6	95.6	97.2	97.6	98.3	98.7	98.8	99.0	99.4	99.6	99.9
GE 000	75.9	77.7	86.9	89.9	93.0	94.6	95.6	97.2	97.6	98.3	98.7	98.8	99.0	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.5	34.1	37.5	38.1	39.7	40.1	40.4	40.6	40.7	40.9	41.0	41.0	41.1	41.1	41.1	41.2
GE 20000	37.5	38.3	42.3	43.1	45.3	45.8	46.2	46.5	46.6	46.9	47.0	47.1	47.2	47.2	47.3	47.4
GE 18000	37.8	38.6	42.7	43.5	45.6	46.2	46.6	46.8	46.9	47.3	47.4	47.4	47.5	47.6	47.6	47.7
GE 16000	37.8	38.7	42.7	43.5	45.6	46.2	46.6	46.9	46.9	47.3	47.4	47.4	47.5	47.6	47.6	47.7
GE 14000	37.9	38.8	42.8	43.6	45.7	46.3	46.7	47.0	47.0	47.4	47.5	47.5	47.6	47.7	47.7	47.8
GE 12000	38.2	39.0	43.1	43.9	46.0	46.6	47.0	47.3	47.4	47.8	47.8	47.9	48.0	48.0	48.1	48.2
GE 10000	40.6	41.5	45.9	46.8	49.0	49.6	50.0	50.4	50.5	50.9	51.1	51.1	51.2	51.3	51.3	51.4
GE 9000	41.5	42.3	47.0	48.0	50.3	50.9	51.3	51.7	51.8	52.3	52.4	52.4	52.5	52.6	52.6	52.7
GE 8000	43.8	44.7	49.8	50.9	53.4	54.1	54.5	55.0	55.1	55.6	55.8	55.9	56.0	56.1	56.2	56.3
GE 7000	45.0	45.9	51.1	52.3	54.8	55.6	56.1	56.6	56.8	57.3	57.5	57.5	57.6	57.7	57.8	57.9
GE 6000	45.7	46.6	52.0	53.2	55.8	56.5	57.1	57.6	57.7	58.2	58.4	58.5	58.6	58.7	58.8	58.9
GE 5000	48.8	49.8	55.6	57.0	59.8	60.5	61.1	61.7	61.8	62.3	62.5	62.6	62.7	62.8	62.9	63.0
GE 4500	51.2	52.2	58.5	59.9	62.8	63.5	64.1	64.7	64.8	65.3	65.5	65.6	65.7	65.8	65.9	66.0
GE 4000	55.2	56.4	63.3	64.8	68.1	69.0	69.7	70.3	70.5	71.1	71.3	71.4	71.5	71.6	71.7	71.8
GE 3500	59.3	60.7	67.9	69.7	73.4	74.4	75.2	75.8	76.0	76.6	76.8	76.9	77.0	77.1	77.2	77.4
GE 3000	65.1	66.6	74.7	76.7	80.8	82.0	82.9	83.5	83.7	84.4	84.7	84.8	84.9	85.0	85.0	85.3
GE 2500	67.1	68.7	77.2	79.3	83.6	84.9	85.8	86.4	86.6	87.3	87.6	87.7	87.8	87.9	88.0	88.2
GE 2000	68.8	70.3	79.6	81.8	86.6	88.0	88.9	89.6	89.8	90.6	90.8	90.9	91.0	91.1	91.2	91.5
GE 1800	69.1	70.6	80.0	82.2	87.0	88.5	89.4	90.1	90.3	91.1	91.3	91.4	91.5	91.6	91.7	92.0
GE 1500	70.1	71.7	81.8	84.1	89.4	90.9	92.0	92.6	92.9	93.7	93.9	94.0	94.2	94.3	94.3	94.6
GE 1200	70.3	71.9	82.4	84.9	90.4	92.0	93.2	93.9	94.3	95.1	95.4	95.5	95.6	95.7	95.8	96.1
GE 1000	70.4	72.0	82.7	85.2	91.0	92.7	94.0	94.8	95.1	96.1	96.4	96.5	96.6	96.7	96.8	97.1
GE 900	70.5	72.1	82.8	85.4	91.2	93.0	94.3	95.2	95.6	96.6	96.9	97.0	97.2	97.3	97.4	97.7
GE 800	70.5	72.1	82.8	85.4	91.3	93.2	94.5	95.4	95.9	96.9	97.2	97.3	97.5	97.6	97.7	98.0
GE 700	70.5	72.2	82.9	85.5	91.5	93.4	94.7	95.8	96.2	97.2	97.6	97.7	97.9	98.0	98.1	98.4
GE 600	70.5	72.2	82.9	85.5	91.5	93.4	94.7	95.8	96.3	97.4	97.8	97.9	98.1	98.2	98.3	98.6
GE 500	70.5	72.2	82.9	85.5	91.5	93.5	94.9	96.1	96.6	97.7	98.2	98.3	98.5	98.7	98.8	99.1
GE 400	70.6	72.2	82.9	85.5	91.6	93.5	95.0	96.1	96.7	97.8	98.3	98.5	98.7	98.9	99.0	99.3
GE 300	70.6	72.2	82.9	85.5	91.6	93.5	95.0	96.2	96.8	98.0	98.5	98.7	98.9	99.1	99.3	99.7
GE 200	70.6	72.2	82.9	85.5	91.6	93.5	95.0	96.2	96.8	98.0	98.5	98.7	99.0	99.2	99.4	99.9
GE 100	70.6	72.2	82.9	85.5	91.6	93.5	95.0	96.2	96.8	98.0	98.5	98.7	99.0	99.2	99.4	100.0
GE 000	70.6	72.2	82.9	85.5	91.6	93.5	95.0	96.2	96.8	98.0	98.5	98.7	99.0	99.2	99.4	100.0

TOTALNUMBER OF OBSERVATIONS 7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.0	38.0	43.9	44.4	45.6	46.1	46.6	46.6	46.7	47.2	47.5	48.1	48.2	48.3	48.6	48.9
GE 20000	41.0	41.9	48.2	48.7	50.3	50.9	51.3	51.3	51.4	51.9	52.3	52.8	52.9	53.0	53.3	53.7
GE 18000	41.0	41.9	48.2	48.7	50.3	50.9	51.3	51.3	51.4	51.9	52.3	52.8	52.9	53.0	53.3	53.7
GE 16000	41.0	41.9	48.2	48.7	50.3	50.9	51.3	51.3	51.4	51.9	52.3	52.8	52.9	53.0	53.3	53.7
GE 14000	41.3	42.3	48.5	49.0	50.6	51.2	51.6	51.6	51.7	52.3	52.6	53.1	53.2	53.3	53.7	54.0
GE 12000	41.4	42.4	48.6	49.1	50.8	51.3	51.7	51.7	51.8	52.4	52.7	53.2	53.3	53.4	53.8	54.1
GE 10000	42.9	44.3	50.6	51.2	52.8	53.3	53.9	53.9	54.0	54.5	54.8	55.4	55.5	55.6	55.9	56.2
GE 9000	43.2	44.6	51.0	51.5	53.1	53.7	54.2	54.2	54.3	54.8	55.2	55.7	55.8	55.9	56.2	56.6
GE 8000	47.1	48.5	55.8	56.6	58.3	59.0	59.6	59.6	59.7	60.2	60.5	61.1	61.2	61.3	61.6	61.9
GE 7000	49.5	50.9	58.5	59.2	61.3	62.0	62.7	62.7	62.8	63.3	63.7	64.2	64.3	64.4	64.7	65.1
GE 6000	50.4	51.8	59.6	60.3	62.6	63.3	64.0	64.0	64.1	64.6	64.9	65.5	65.6	65.7	66.0	66.3
GE 5000	54.3	55.8	64.5	65.4	68.1	68.8	69.6	69.8	69.9	70.5	70.9	71.4	71.5	71.6	71.9	72.3
GE 4500	56.6	58.3	67.3	68.2	70.9	71.6	72.4	72.6	72.7	73.3	73.7	74.2	74.3	74.4	74.7	75.1
GE 4000	60.9	62.6	72.5	73.3	76.8	77.5	78.3	78.5	78.6	79.2	79.6	80.1	80.4	80.5	81.0	81.3
GE 3500	63.0	65.2	75.7	76.6	80.1	81.2	82.2	82.4	82.5	83.1	83.4	84.0	84.3	84.4	84.8	85.2
GE 3000	65.5	68.0	79.1	80.2	84.0	85.1	86.0	86.2	86.7	87.4	87.7	88.3	88.6	88.7	89.1	89.5
GE 2500	66.0	68.5	79.8	81.0	84.8	85.9	87.0	87.3	87.7	88.5	88.9	89.5	89.8	89.9	90.3	90.6
GE 2000	67.2	69.8	81.2	82.5	86.3	87.4	88.6	88.9	89.4	90.1	90.5	91.1	91.4	91.5	91.9	92.3
GE 1800	67.2	69.8	81.2	82.6	86.5	87.5	88.7	89.0	89.5	90.2	90.6	91.2	91.5	91.6	92.0	92.4
GE 1500	68.1	70.6	82.8	84.2	88.5	89.6	90.8	91.1	91.5	92.3	92.7	93.2	93.5	93.7	94.1	94.4
GE 1200	68.5	71.1	83.4	84.9	89.4	90.4	91.6	92.3	92.7	93.4	93.9	94.4	94.7	94.8	95.3	95.6
GE 1000	68.7	71.3	83.9	85.4	89.9	91.4	92.6	93.4	93.9	94.8	95.3	95.8	96.1	96.2	96.7	97.0
GE 900	68.7	71.3	83.9	85.5	90.2	91.7	92.9	93.8	94.2	95.2	95.6	96.1	96.5	96.6	97.0	97.3
GE 800	68.7	71.3	84.1	85.7	90.6	92.2	93.7	94.6	95.3	96.2	96.7	97.2	97.5	97.6	98.1	98.4
GE 700	68.7	71.3	84.1	85.7	90.8	92.4	93.9	94.8	95.5	96.6	97.0	97.5	97.8	98.0	98.4	98.7
GE 600	68.7	71.3	84.1	85.7	90.8	92.4	94.0	94.9	95.6	97.0	97.4	98.0	98.3	98.4	98.8	99.1
GE 500	68.7	71.3	84.1	85.7	90.8	92.5	94.1	95.1	95.7	97.1	97.5	98.1	98.4	98.5	98.9	99.2
GE 400	68.7	71.3	84.1	85.7	90.8	92.5	94.1	95.2	95.8	97.2	97.6	98.2	98.5	98.6	99.1	99.5
GE 300	68.7	71.3	84.1	85.7	90.8	92.5	94.1	95.2	95.8	97.2	97.6	98.2	98.5	98.6	99.1	99.5
GE 200	68.7	71.3	84.1	85.7	90.8	92.5	94.1	95.2	95.8	97.2	97.6	98.2	98.5	98.6	99.1	99.6
GE 100	68.7	71.3	84.1	85.7	90.8	92.5	94.1	95.2	95.8	97.2	97.6	98.2	98.5	98.6	99.4	100.0
GE 000	68.7	71.3	84.1	85.7	90.8	92.5	94.1	95.2	95.8	97.2	97.6	98.2	98.5	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.0	22.6	30.8	31.8	34.4	34.9	35.8	36.1	36.3	37.4	38.4	38.5	38.6	39.0	39.9	40.3
GE 20000	24.8	25.5	34.1	35.3	38.2	38.7	39.8	40.3	40.5	41.6	42.7	42.8	42.9	43.3	44.2	44.7
GE 18000	24.9	25.6	34.2	35.4	38.3	38.8	39.9	40.4	40.6	41.7	42.8	42.9	43.0	43.4	44.3	44.8
GE 16000	24.9	25.6	34.2	35.4	38.3	38.8	39.9	40.4	40.6	41.7	42.8	42.9	43.0	43.4	44.3	44.8
GE 14000	25.1	25.7	34.3	35.5	38.4	38.9	40.0	40.5	40.8	41.8	42.9	43.0	43.1	43.5	44.4	44.9
GE 12000	25.3	25.9	34.5	35.7	38.7	39.2	40.3	40.9	41.1	42.2	43.2	43.3	43.4	43.9	44.7	45.3
GE 10000	27.4	28.1	37.2	38.5	41.8	42.5	43.5	44.1	44.4	45.5	46.6	46.7	46.8	47.2	48.1	48.6
GE 9000	27.6	28.3	37.5	38.8	42.2	42.8	44.0	44.5	44.8	45.9	47.0	47.1	47.2	47.6	48.5	49.0
GE 8000	31.4	32.4	42.9	44.2	48.1	48.7	49.9	50.5	50.9	51.9	53.1	53.2	53.3	53.9	54.7	55.4
GE 7000	33.0	34.1	45.1	46.3	50.4	51.2	52.5	53.1	53.4	54.5	55.7	55.8	55.9	56.5	57.5	58.3
GE 6000	33.1	34.3	45.5	46.8	51.0	51.7	53.0	53.7	54.0	55.1	56.2	56.3	56.5	57.0	58.1	58.8
GE 5000	37.6	39.0	50.6	51.9	56.3	57.1	58.4	59.1	59.5	60.6	61.8	61.9	62.0	62.6	63.7	64.4
GE 4500	40.0	41.4	53.8	55.2	60.1	60.9	62.2	63.0	63.3	64.5	65.7	65.8	66.1	66.7	67.7	68.5
GE 4000	44.3	45.8	58.9	60.4	65.9	66.9	68.2	69.1	69.5	71.0	72.2	72.4	72.7	73.2	74.3	75.1
GE 3500	47.4	49.0	63.0	64.6	70.5	71.6	73.0	74.3	74.6	76.1	77.3	77.5	77.8	78.4	79.5	80.2
GE 3000	50.9	52.6	66.8	68.5	74.8	76.2	77.6	78.9	79.2	80.8	81.9	82.3	82.6	83.1	84.2	84.9
GE 2500	52.5	54.2	69.0	70.9	77.2	78.6	80.0	81.4	81.7	83.2	84.5	84.8	85.2	85.7	86.8	87.5
GE 2000	54.0	55.7	70.9	72.7	79.0	80.4	81.9	83.3	83.7	85.2	86.5	86.8	87.1	87.6	88.7	89.5
GE 1800	54.1	55.8	71.2	73.0	79.4	80.8	82.3	83.7	84.0	85.5	86.8	87.1	87.4	88.0	89.0	89.8
GE 1500	54.8	56.8	72.5	74.4	81.1	82.7	84.4	85.8	86.1	87.6	88.9	89.2	89.6	90.1	91.2	91.9
GE 1200	55.7	57.6	73.7	75.6	82.6	84.2	85.9	87.6	88.2	89.8	91.2	91.5	91.8	92.4	93.4	94.2
GE 1000	55.7	57.6	73.8	75.8	82.9	84.8	86.6	88.3	88.9	90.5	91.9	92.3	92.6	93.1	94.2	94.9
GE 900	55.7	57.6	73.9	75.9	83.1	85.1	86.8	88.5	89.4	91.0	92.4	92.7	93.0	93.5	94.6	95.4
GE 800	55.7	57.6	74.0	76.0	83.2	85.2	87.4	89.5	90.3	91.9	93.3	93.7	94.0	94.5	95.6	96.3
GE 700	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.0	90.9	92.5	93.9	94.2	94.5	95.1	96.1	96.9
GE 600	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.0	90.9	92.6	94.2	94.5	94.8	95.4	96.5	97.2
GE 500	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.2	91.1	92.9	94.5	94.8	95.3	95.8	96.9	97.6
GE 400	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.2	91.1	92.9	94.6	94.9	95.4	95.9	97.3	98.1
GE 300	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.2	91.1	92.9	94.7	95.1	95.6	96.1	97.6	98.6
GE 200	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.2	91.1	92.9	94.8	95.2	95.7	96.2	97.7	98.9
GE 100	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.2	91.1	92.9	94.8	95.2	95.7	96.2	98.0	99.8
GE 000	55.7	57.6	74.2	76.2	83.5	85.5	88.0	90.2	91.1	92.9	94.8	95.2	95.7	96.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.1	19.5	24.3	25.9	29.6	30.3	31.1	31.6	31.7	32.4	32.5	32.5	32.7	33.4	34.1	34.5
GE 20000	20.9	21.2	26.3	28.1	32.0	32.8	33.5	34.1	34.2	34.9	35.2	35.2	35.4	36.1	36.9	37.3
GE 18000	21.2	21.5	26.8	28.6	32.8	33.5	34.4	34.9	35.1	35.8	36.0	36.0	36.2	37.0	37.7	38.2
GE 16000	21.2	21.5	26.8	28.6	32.8	33.5	34.4	34.9	35.1	35.8	36.0	36.0	36.2	37.0	37.7	38.2
GE 14000	21.4	21.7	27.0	28.9	33.1	33.9	34.8	35.5	35.6	36.5	36.7	36.7	36.9	37.6	38.4	38.9
GE 12000	21.9	22.4	28.1	30.1	34.5	35.3	36.2	36.9	37.0	37.8	38.1	38.1	38.3	39.0	39.8	40.3
GE 10000	24.0	24.5	30.8	32.8	37.5	38.4	39.5	40.1	40.3	41.3	41.5	41.5	41.7	42.5	43.2	43.9
GE 9000	24.7	25.3	31.8	33.9	38.6	39.6	40.6	41.3	41.5	42.5	42.7	42.7	42.9	43.7	44.4	45.1
GE 8000	30.1	30.9	38.5	40.5	45.8	47.0	48.4	49.0	49.2	50.3	50.5	50.5	50.8	51.5	52.3	52.9
GE 7000	31.6	32.4	40.4	42.7	48.2	49.4	50.9	51.5	51.7	52.8	53.0	53.0	53.2	54.0	54.8	55.5
GE 6000	31.7	32.5	40.8	43.0	48.9	50.1	51.6	52.3	52.5	53.5	53.8	53.8	54.0	54.7	55.6	56.2
GE 5000	34.0	34.7	43.7	46.2	52.9	54.1	55.7	56.3	56.6	57.6	57.8	57.8	58.1	58.8	59.7	60.3
GE 4500	35.9	36.7	46.3	48.9	55.7	56.9	58.5	59.1	59.4	60.6	60.9	60.9	61.1	61.8	62.7	63.3
GE 4000	39.5	40.3	51.1	53.7	61.0	62.5	64.4	65.1	65.5	66.9	67.1	67.1	67.3	68.1	68.9	69.7
GE 3500	41.0	41.9	53.2	55.9	63.8	65.6	67.5	68.2	68.6	70.0	70.2	70.2	70.4	71.2	72.0	72.8
GE 3000	44.4	45.4	57.0	59.8	68.4	70.3	72.5	73.2	73.8	75.2	75.4	75.4	75.6	76.3	77.2	78.0
GE 2500	46.1	47.2	59.2	62.0	70.9	72.9	75.2	75.9	76.5	77.8	78.1	78.1	78.3	79.0	79.9	80.6
GE 2000	49.2	50.4	62.9	65.8	74.7	76.9	79.1	80.2	80.9	82.3	82.5	82.5	82.7	83.4	84.3	85.1
GE 1800	49.8	51.0	63.5	66.5	75.5	77.7	80.0	81.1	81.7	83.1	83.3	83.3	83.5	84.3	85.2	85.9
GE 1500	51.5	52.7	65.9	69.1	78.6	81.0	83.4	84.7	85.5	87.1	87.3	87.3	87.5	88.3	89.1	89.9
GE 1200	51.9	53.1	67.0	70.5	80.3	82.9	85.6	87.3	88.2	89.8	90.0	90.0	90.2	91.0	91.8	92.6
GE 1000	52.7	53.9	68.1	71.8	82.0	84.8	87.6	89.4	90.2	91.8	92.0	92.0	92.3	93.0	93.9	94.6
GE 900	52.7	53.9	68.2	72.0	82.4	85.3	88.1	89.8	90.8	92.5	92.7	92.7	92.9	93.7	94.5	95.3
GE 800	52.7	53.9	68.2	72.0	82.4	85.4	88.2	90.0	91.1	92.8	93.1	93.1	93.3	94.1	94.9	95.7
GE 700	52.7	53.9	68.5	72.4	82.9	86.0	88.8	90.9	91.9	93.7	94.0	94.0	94.2	94.9	95.8	96.7
GE 600	52.7	53.9	68.5	72.4	82.9	86.0	88.8	91.0	92.3	94.0	94.3	94.3	94.5	95.3	96.1	97.0
GE 500	52.7	53.9	68.5	72.4	82.9	86.3	89.2	91.4	92.7	94.4	94.7	94.7	94.9	95.8	96.7	97.6
GE 400	52.7	53.9	68.5	72.4	82.9	86.3	89.2	91.4	92.7	94.5	94.8	94.8	95.1	95.9	96.8	97.7
GE 300	52.7	53.9	68.5	72.4	82.9	86.3	89.4	91.6	93.0	94.8	95.2	95.2	95.4	96.2	97.1	98.4
GE 200	52.7	53.9	68.5	72.5	83.0	86.5	89.5	91.7	93.1	94.9	95.5	95.5	95.7	96.7	97.7	99.5
GE 100	52.7	53.9	68.5	72.5	83.0	86.5	89.5	91.7	93.1	95.1	95.6	95.6	95.8	96.9	98.0	100.0
GE 000	52.7	53.9	68.5	72.5	83.0	86.5	89.5	91.7	93.1	95.1	95.6	95.6	95.8	96.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.0	30.3	32.3	32.8	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1	34.1
GE 20000	33.4	34.7	37.2	37.8	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1
GE 18000	33.8	35.1	37.5	38.2	39.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.5
GE 16000	33.9	35.2	37.6	38.3	39.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
GE 14000	34.2	35.5	38.0	38.6	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.1
GE 12000	35.2	36.5	39.0	39.7	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2
GE 10000	37.5	38.8	41.4	42.0	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5
GE 9000	38.2	39.6	42.3	42.9	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5
GE 8000	43.0	44.5	48.0	48.7	50.1	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.8	50.8	50.8
GE 7000	44.5	46.2	49.8	50.6	52.4	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1
GE 6000	44.9	46.7	50.2	51.2	52.9	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.7	53.7
GE 5000	46.8	48.6	52.5	53.5	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1
GE 4500	48.4	50.2	54.2	55.3	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1
GE 4000	53.7	55.6	60.2	61.3	64.1	64.5	64.7	64.8	64.8	64.9	64.9	64.9	64.9	65.1	65.1	65.1
GE 3500	57.1	59.2	64.6	65.7	68.9	69.4	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.9	69.9	69.9
GE 3000	64.5	67.1	73.5	74.7	78.3	78.7	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.4	79.4	79.4
GE 2500	67.6	70.2	76.9	78.1	81.7	82.6	82.8	82.9	82.9	83.1	83.1	83.1	83.1	83.2	83.2	83.2
GE 2000	70.9	73.4	81.4	83.0	87.1	88.0	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.7	88.7	88.7
GE 1800	71.1	73.7	81.7	83.5	87.6	88.5	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.2	89.2	89.2
GE 1500	72.6	75.2	84.6	86.6	91.2	92.2	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.1	93.1	93.1
GE 1200	73.1	75.7	85.9	88.3	93.4	94.8	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.5	96.5	96.5
GE 1000	73.8	76.5	86.9	89.2	94.5	95.9	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.5	97.5	97.5
GE 900	74.1	76.8	87.2	89.7	95.2	96.6	97.5	97.8	97.8	98.1	98.1	98.1	98.1	98.2	98.2	98.2
GE 800	74.3	77.0	87.5	90.0	95.5	97.1	98.1	98.6	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9
GE 700	74.3	77.0	87.6	90.2	95.8	97.8	98.8	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 600	74.3	77.0	87.6	90.2	95.8	98.0	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	74.3	77.0	87.6	90.2	95.8	98.0	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	74.3	77.0	87.6	90.2	95.8	98.0	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	74.3	77.0	87.6	90.2	95.8	98.0	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	74.3	77.0	87.6	90.2	95.8	98.0	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	74.3	77.0	87.6	90.2	95.8	98.0	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	74.3	77.0	87.6	90.2	95.8	98.0	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.1	31.6	32.2	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 20000	36.1	36.7	37.4	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 18000	36.5	37.0	37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 16000	36.5	37.0	37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 14000	36.7	37.2	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 12000	37.4	38.0	39.2	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 10000	39.2	40.0	41.8	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 9000	40.1	40.9	43.1	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 8000	43.7	44.4	46.9	47.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 7000	45.4	46.1	48.6	48.8	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 6000	46.1	46.9	49.4	49.6	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 5000	49.4	50.1	52.8	53.0	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 4500	51.5	52.4	55.1	55.3	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 4000	59.2	60.1	62.9	63.4	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 3500	65.4	66.6	69.4	69.9	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3000	78.6	79.8	83.5	84.2	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2500	81.5	82.7	87.1	87.8	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2000	83.1	84.3	89.5	90.2	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1800	83.2	84.4	89.6	90.3	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1500	84.1	85.3	91.2	92.0	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	85.6	86.9	93.2	94.3	96.1	96.7	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	86.1	87.4	94.0	95.5	97.5	98.2	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	86.1	87.4	94.0	95.6	97.6	98.3	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	86.1	87.4	94.1	95.8	98.0	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	86.1	87.4	94.1	95.8	98.1	98.7	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	86.1	87.4	94.1	95.8	98.1	98.7	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	86.1	87.4	94.1	95.8	98.1	98.9	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.1	87.4	94.1	95.8	98.1	98.9	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.1	87.4	94.1	95.8	98.1	98.9	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.1	87.4	94.1	95.8	98.1	98.9	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.1	87.4	94.1	95.8	98.1	98.9	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.1	87.4	94.1	95.8	98.1	98.9	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.5	31.1	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 20000	38.2	38.9	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 18000	38.4	39.1	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 16000	38.4	39.1	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 14000	38.6	39.4	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 12000	38.9	39.7	40.4	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 10000	41.1	41.8	42.8	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 9000	41.9	42.8	43.9	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 8000	46.5	47.4	48.8	48.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 7000	49.1	50.2	51.8	51.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 6000	49.9	51.1	52.7	52.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 5000	53.3	54.5	56.3	56.5	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 4500	56.5	57.7	59.6	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 4000	63.8	65.2	67.1	67.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 3500	70.2	71.8	74.1	74.3	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000	79.8	81.6	85.4	85.7	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2500	81.9	83.9	88.3	88.6	90.3	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	84.0	85.9	90.8	91.2	93.2	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	84.2	86.1	91.0	91.4	93.4	93.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	85.4	87.4	93.1	93.7	96.0	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	86.3	88.4	94.2	94.8	97.4	97.7	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	86.3	88.4	94.3	94.9	97.5	98.0	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	86.3	88.4	94.3	94.9	97.5	98.0	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.3	88.4	94.4	95.1	98.2	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.1	37.0	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 20000	44.7	45.7	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 18000	45.3	46.2	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 16000	45.3	46.2	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 14000	45.6	46.6	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 12000	46.5	47.4	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 10000	49.5	50.8	51.9	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 9000	51.4	52.7	54.0	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 8000	55.9	57.7	59.4	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 7000	58.7	60.5	63.0	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 6000	59.5	61.3	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 5000	62.4	64.3	67.0	67.6	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4500	65.8	67.7	70.8	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4000	71.7	73.9	77.2	77.8	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3500	76.5	78.7	82.6	83.2	84.2	84.5	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3000	82.3	84.7	89.4	90.1	91.2	91.6	91.7	91.8	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	83.9	86.3	91.2	92.0	93.2	93.7	93.9	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2000	85.1	87.5	92.6	93.4	94.8	95.3	95.5	95.8	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	85.6	88.1	93.2	94.1	95.5	95.9	96.1	96.5	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	86.2	88.7	94.2	95.1	96.5	96.9	97.1	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	86.2	88.7	94.5	95.4	96.8	97.2	97.4	97.7	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	86.2	88.7	94.6	95.5	96.9	97.4	97.5	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	86.2	88.7	94.9	95.8	97.4	98.0	98.3	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	86.2	88.7	95.1	95.9	97.6	98.2	98.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.2	88.7	95.1	95.9	97.6	98.2	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	VISIBILITY IN METERS											
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00						
NO CEIL	40.6	41.8	43.9	44.3	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9
GE 20000	45.7	47.1	49.4	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5
GE 18000	46.5	47.7	50.0	50.4	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2
GE 16000	46.3	47.7	50.0	50.4	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2
GE 14000	46.7	48.1	50.3	50.8	51.2	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5
GE 12000	47.0	48.4	50.6	51.1	51.5	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8
GE 10000	51.2	52.7	54.9	55.5	56.2	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7
GE 9000	51.9	53.4	55.8	56.3	57.1	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
GE 8000	55.8	57.5	60.1	60.6	61.5	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 7000	58.2	60.1	63.2	63.8	64.7	64.7	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
GE 6000	58.9	60.9	64.3	64.8	65.8	65.8	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3
GE 5000	63.0	65.1	68.5	69.0	70.1	70.1	70.2	70.4	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9
GE 4500	66.9	68.9	73.0	73.7	74.7	74.7	74.8	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5
GE 4000	73.3	75.6	80.3	81.0	82.2	82.3	82.5	82.7	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
GE 3500	76.8	79.0	84.3	85.2	86.5	86.6	87.2	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1
GE 3000	79.9	82.2	87.8	88.9	90.5	90.6	91.4	91.6	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6
94.4	GE 2500	81.0	83.2	89.4	90.4	92.0	92.2	93.2	93.4	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.4
GE 2000	81.3	83.5	90.2	91.3	93.2	93.7	94.7	95.1	95.5	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
GE 1800	81.5	83.8	90.5	91.6	93.5	94.0	95.1	95.4	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3
GE 1500	81.9	84.2	91.3	92.5	94.5	94.9	96.0	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
GE 1200	82.4	84.6	92.2	93.3	95.4	95.8	97.0	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6
GE 1000	82.6	84.8	92.5	93.7	95.8	96.2	97.4	98.2	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4
GE 900	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 800	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 700	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 600	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	82.6	84.8	92.6	93.8	96.0	96.5	97.6	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.7	31.5	34.6	35.1	36.2	36.5	36.7	36.9	36.9	37.2	37.4	37.5	37.5	37.7	37.9	38.1
GE 20000	35.6	36.5	39.8	40.4	41.7	41.9	42.2	42.4	42.4	42.7	42.9	43.0	43.1	43.3	43.5	43.7
GE 18000	35.9	36.8	40.1	40.8	42.0	42.3	42.6	42.8	42.8	43.1	43.3	43.4	43.5	43.6	43.9	44.0
GE 16000	35.9	36.8	40.2	40.8	42.1	42.3	42.6	42.8	42.8	43.1	43.3	43.4	43.5	43.6	43.9	44.1
GE 14000	36.2	37.0	40.4	41.1	42.4	42.6	43.0	43.1	43.2	43.5	43.7	43.8	43.8	44.0	44.3	44.4
GE 12000	36.7	37.6	41.1	41.7	43.1	43.4	43.7	43.9	43.9	44.2	44.4	44.5	44.6	44.7	45.0	45.2
GE 10000	39.1	40.1	43.9	44.7	46.2	46.5	46.8	47.0	47.1	47.4	47.6	47.7	47.8	47.9	48.2	48.4
GE 9000	39.9	40.9	44.9	45.6	47.2	47.5	47.9	48.1	48.1	48.5	48.7	48.7	48.8	49.0	49.2	49.4
GE 8000	44.2	45.4	50.0	50.8	52.6	53.0	53.4	53.6	53.7	54.0	54.2	54.3	54.4	54.6	54.8	55.0
GE 7000	46.3	47.6	52.6	53.4	55.4	55.8	56.3	56.5	56.5	56.9	57.1	57.2	57.2	57.4	57.7	57.9
GE 6000	46.8	48.2	53.3	54.1	56.2	56.6	57.1	57.3	57.4	57.7	57.9	58.0	58.1	58.3	58.5	58.8
GE 5000	50.1	51.5	57.0	57.9	60.2	60.6	61.1	61.3	61.4	61.8	62.0	62.1	62.2	62.4	62.7	62.9
GE 4500	52.7	54.2	60.0	60.9	63.3	63.8	64.3	64.5	64.6	65.0	65.2	65.3	65.4	65.6	65.9	66.1
GE 4000	58.3	59.9	66.3	67.3	70.1	70.6	71.2	71.5	71.6	72.1	72.3	72.4	72.5	72.7	73.0	73.2
GE 3500	62.2	63.9	70.9	71.9	75.0	75.7	76.4	76.7	76.8	77.3	77.5	77.6	77.7	77.9	78.2	78.5
GE 3000	68.2	70.2	77.8	79.0	82.5	83.2	83.9	84.3	84.5	85.1	85.3	85.4	85.5	85.7	86.0	86.3
GE 2500	70.1	72.0	80.1	81.4	84.9	85.7	86.5	86.9	87.1	87.7	87.9	88.0	88.1	88.3	88.6	88.9
GE 2000	71.8	73.8	82.4	83.8	87.5	88.4	89.2	89.7	89.9	90.5	90.8	90.9	91.0	91.2	91.5	91.7
GE 1800	72.1	74.1	82.7	84.1	87.9	88.8	89.6	90.1	90.3	90.9	91.1	91.3	91.4	91.5	91.9	92.1
GE 1500	73.1	75.1	84.4	85.9	90.0	90.9	91.9	92.4	92.6	93.2	93.5	93.6	93.7	93.9	94.2	94.4
GE 1200	73.7	75.8	85.5	87.2	91.4	92.5	93.6	94.2	94.6	95.2	95.5	95.6	95.7	95.9	96.2	96.4
GE 1000	74.0	76.1	86.0	87.7	92.1	93.3	94.5	95.2	95.6	96.3	96.5	96.7	96.8	96.9	97.3	97.5
GE 900	74.1	76.1	86.1	87.9	92.4	93.7	94.8	95.6	96.0	96.7	96.9	97.0	97.1	97.3	97.6	97.9
GE 800	74.1	76.1	86.2	88.0	92.7	94.0	95.3	96.2	96.6	97.3	97.6	97.7	97.8	98.0	98.3	98.5
GE 700	74.1	76.1	86.3	88.1	92.9	94.2	95.6	96.6	97.0	97.7	98.0	98.1	98.2	98.4	98.7	99.0
GE 600	74.1	76.1	86.3	88.1	92.9	94.2	95.6	96.6	97.1	97.9	98.2	98.3	98.4	98.6	98.9	99.1
GE 500	74.1	76.1	86.3	88.1	92.9	94.3	95.7	96.7	97.2	98.0	98.3	98.4	98.5	98.8	99.1	99.3
GE 400	74.1	76.1	86.3	88.1	92.9	94.3	95.7	96.7	97.3	98.0	98.4	98.5	98.6	98.8	99.2	99.4
GE 300	74.1	76.1	86.3	88.1	92.9	94.3	95.7	96.8	97.3	98.1	98.4	98.5	98.7	98.9	99.2	99.6
GE 200	74.1	76.1	86.3	88.1	92.9	94.3	95.7	96.8	97.3	98.1	98.5	98.6	98.7	98.9	99.3	99.7
GE 100	74.1	76.1	86.3	88.1	92.9	94.3	95.7	96.8	97.3	98.1	98.5	98.6	98.7	99.0	99.4	100.0
GE 000	74.1	76.1	86.3	88.1	92.9	94.3	95.7	96.8	97.3	98.1	98.5	98.6	98.7	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	39.2	40.6	46.3	46.6	47.8	48.4	49.6	49.7	50.1	50.9	51.1	51.2	52.1	52.2	52.4	52.6
GE 20000	41.7	43.2	49.3	49.8	51.2	51.9	53.4	53.5	53.9	54.8	55.2	55.3	56.2	56.3	56.5	56.7
GE 8000	41.7	43.2	49.3	49.8	51.2	51.9	53.4	53.5	53.9	54.8	55.2	55.3	56.2	56.3	56.5	56.7
GE 16000	41.7	43.2	49.3	49.8	51.2	51.9	53.4	53.5	53.9	54.8	55.2	55.3	56.2	56.3	56.5	56.7
GE 14000	41.8	43.3	49.4	49.9	51.3	52.1	53.5	53.6	54.1	54.9	55.3	55.4	56.3	56.4	56.6	56.8
GE 12000	42.2	43.6	49.7	50.3	51.6	52.4	53.8	53.9	54.4	55.3	55.6	55.7	56.6	56.7	56.9	57.2
GE 10000	44.2	45.7	52.1	52.6	54.1	54.8	56.3	56.4	56.8	57.7	58.0	58.2	59.0	59.2	59.4	59.6
GE 9000	44.8	46.4	52.8	53.4	55.3	56.0	57.5	57.6	58.0	58.9	59.3	59.4	60.3	60.4	60.6	60.8
GE 8000	49.3	51.1	57.8	58.4	60.5	61.4	62.8	62.9	63.4	64.3	64.6	64.7	65.6	65.7	65.9	66.1
GE 7000	50.6	52.4	59.2	59.7	61.8	62.7	64.2	64.3	64.7	65.6	65.9	66.0	66.9	67.0	67.3	67.5
GE 6000	51.3	53.1	59.8	60.4	62.5	63.4	64.8	64.9	65.4	66.3	66.6	66.7	67.6	67.7	67.9	68.1
GE 5000	55.3	57.0	64.7	65.4	67.8	68.7	70.3	70.5	70.9	71.8	72.1	72.3	73.3	73.4	73.6	73.8
GE 4500	58.3	60.7	68.7	69.4	72.1	73.1	74.7	74.9	75.4	76.2	76.6	76.7	77.7	77.8	78.1	78.4
GE 4000	63.2	65.8	74.5	75.1	78.4	79.4	80.9	81.1	81.6	82.5	82.8	82.9	83.9	84.0	84.4	84.6
GE 3500	65.9	68.7	78.0	78.7	81.9	82.9	84.5	84.7	85.1	86.0	86.3	86.5	87.5	87.6	87.9	88.1
GE 3000	68.5	71.4	81.7	82.5	86.1	87.2	88.8	89.0	89.5	90.3	90.7	90.8	91.8	91.9	92.2	92.5
GE 2500	69.3	72.3	82.7	83.6	87.3	88.5	90.0	90.3	90.8	91.7	92.0	92.1	93.1	93.2	93.6	93.8
GE 2000	70.9	73.9	84.8	85.7	89.8	91.0	92.7	93.1	93.6	94.5	94.8	94.9	95.9	96.0	96.3	96.6
GE 1800	70.9	73.9	84.8	85.7	89.8	91.0	92.7	93.1	93.6	94.5	94.8	94.9	95.9	96.0	96.3	96.6
GF 1500	71.6	74.6	85.5	86.3	90.6	91.9	93.9	94.3	94.8	95.7	96.0	96.1	97.2	97.3	97.7	97.9
GE 1200	71.8	74.8	85.8	86.7	90.9	92.2	94.2	94.7	95.1	96.0	96.3	96.4	97.6	97.7	98.0	98.2
GE 1000	71.8	74.8	85.9	86.8	91.1	92.6	94.6	95.0	95.4	96.3	96.7	96.8	97.9	98.0	98.3	98.6
GE 900	72.4	75.4	86.5	87.3	91.7	93.1	95.1	95.6	96.0	96.9	97.2	97.3	98.4	98.6	98.9	99.1
GE 800	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.4	97.6	98.7	98.8	99.1	99.3
GE 700	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.4	97.6	98.7	98.8	99.1	99.3
GE 600	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.6	97.7	98.8	98.9	99.2	99.4
GE 500	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.6	97.7	98.8	98.9	99.2	99.4
GE 400	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.6	97.7	98.8	98.9	99.2	99.4
GE 300	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.6	97.7	98.8	98.9	99.2	99.4
GE 200	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.6	97.7	98.8	98.9	99.2	99.4
GE 100	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.6	97.7	98.8	98.9	99.2	99.8
GE 000	72.4	75.4	86.5	87.5	91.9	93.3	95.3	95.8	96.2	97.1	97.6	97.7	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 901

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.0	22.9	31.8	32.3	37.6	38.7	39.4	40.1	40.2	40.7	40.9	41.0	41.6	41.7	42.6	42.9
GE 20000	24.0	24.9	34.6	35.1	40.3	41.4	42.6	43.6	44.0	44.7	45.0	45.1	46.0	46.2	47.1	47.4
GE 18000	24.0	24.9	34.6	35.1	40.3	41.4	42.6	43.6	44.0	44.7	45.0	45.1	46.0	46.2	47.1	47.6
GE 16000	24.0	24.9	34.6	35.1	40.3	41.4	42.6	43.6	44.0	44.7	45.0	45.1	46.0	46.2	47.1	47.6
GE 14000	24.1	25.0	34.7	35.2	40.4	41.6	42.7	43.7	44.1	44.8	45.1	45.2	46.1	46.3	47.2	47.7
GE 12000	24.3	25.2	34.9	35.4	40.7	41.8	42.9	43.9	44.3	45.0	45.3	45.4	46.3	46.6	47.4	47.9
GE 10000	26.3	27.3	37.8	38.4	43.7	44.8	46.0	47.0	47.4	48.1	48.4	48.6	49.4	49.7	50.6	51.0
GE 9000	27.0	28.0	38.7	39.3	44.8	45.9	47.1	48.1	48.6	49.2	49.7	49.8	50.7	50.9	51.9	52.3
GE 8000	30.9	32.0	43.7	44.3	50.3	51.4	52.8	54.0	54.4	55.2	55.9	56.0	57.0	57.2	58.2	58.7
GE 7000	31.8	32.9	45.0	45.7	51.8	52.9	54.2	55.4	55.9	56.7	57.3	57.4	58.4	58.7	59.7	60.1
GE 6000	32.7	33.8	46.0	46.7	52.8	53.9	55.2	56.4	56.9	57.7	58.3	58.4	59.4	59.7	60.7	61.1
GE 5000	35.0	36.2	49.3	50.1	56.3	57.4	58.9	60.1	60.6	61.4	62.1	62.2	63.6	63.9	65.0	65.4
GE 4500	36.6	38.2	52.2	53.0	59.4	60.6	62.0	63.2	63.7	64.6	65.2	65.3	66.7	67.0	68.1	68.6
GE 4000	41.6	43.4	58.6	59.3	66.4	67.8	69.2	70.4	70.9	71.8	72.4	72.6	73.9	74.2	75.3	75.8
GE 3500	45.2	47.2	62.8	63.6	70.9	72.2	74.0	75.2	75.7	76.6	77.2	77.3	78.7	79.0	80.1	80.6
GE 3000	49.7	52.0	68.1	69.0	76.9	78.7	80.6	81.9	82.3	83.2	83.9	84.0	85.4	85.8	87.0	87.8
GE 2500	50.3	52.8	69.0	69.9	77.9	79.7	81.7	83.0	83.4	84.3	85.2	85.3	86.8	87.1	88.3	89.1
GE 2000	51.7	54.1	70.9	71.9	80.3	82.1	84.2	85.6	86.0	86.9	87.8	87.9	89.3	89.7	90.9	91.7
GE 1800	51.8	54.2	71.0	72.0	80.4	82.2	84.3	85.7	86.1	87.0	87.9	88.0	89.4	89.8	91.0	91.8
GE 1500	53.3	55.8	73.0	74.3	83.0	85.0	87.4	88.8	89.2	90.1	91.0	91.1	92.6	92.9	94.1	94.9
GE 1200	54.2	56.7	74.0	75.4	84.3	86.3	88.9	90.2	90.7	91.6	92.4	92.6	94.0	94.3	95.6	96.3
GE 1000	54.4	57.0	74.4	75.9	84.8	86.8	89.4	91.0	91.4	92.3	93.2	93.3	94.8	95.1	96.3	97.1
GE 900	54.8	57.3	74.8	76.3	85.2	87.2	90.0	91.7	92.1	93.0	93.9	94.0	95.4	95.8	97.0	97.8
GE 800	54.8	57.3	74.8	76.6	85.4	87.4	90.2	91.9	92.3	93.2	94.1	94.2	95.7	96.0	97.2	98.1
GE 700	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.1	97.3	98.2
GE 600	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.1	97.3	98.2
GE 500	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.1	97.3	98.3
GE 400	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.1	97.3	98.3
GE 300	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.2	97.4	98.7
GE 200	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.2	97.6	99.3
GE 100	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.2	97.8	99.9
GE 000	54.8	57.3	74.8	76.7	85.6	87.6	90.3	92.0	92.4	93.3	94.2	94.3	95.8	96.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.9	19.1	25.4	27.0	31.9	32.3	33.3	34.3	34.8	34.9	34.9	35.0	35.1	35.2	35.2	35.2
GE 20000	20.7	21.1	29.0	30.6	35.9	36.6	37.7	38.7	39.3	39.8	39.9	40.0	40.2	40.6	41.0	41.0
GE 18000	20.9	21.3	29.3	30.9	36.3	37.0	38.1	39.1	39.8	40.2	40.3	40.4	40.7	41.0	41.4	41.4
GE 16000	20.9	21.3	29.3	30.9	36.3	37.0	38.1	39.1	39.8	40.2	40.3	40.4	40.7	41.0	41.4	41.4
GE 14000	21.0	21.4	29.4	31.0	36.4	37.1	38.2	39.2	39.9	40.3	40.4	40.6	40.8	41.1	41.6	41.6
GE 12000	21.3	21.8	29.9	31.4	37.1	37.8	38.9	39.9	40.6	41.0	41.1	41.2	41.4	41.8	42.2	42.2
GE 10000	22.9	23.4	32.4	34.1	39.9	40.7	41.8	42.8	43.7	44.2	44.3	44.4	44.7	45.1	45.6	45.6
GE 9000	24.0	24.7	33.9	35.7	42.0	42.9	44.1	45.1	46.0	46.6	46.8	46.9	47.1	47.6	48.0	48.1
GE 8000	27.9	28.7	38.7	40.4	47.2	48.2	49.7	50.7	51.6	52.2	52.4	52.6	52.8	53.2	53.7	53.9
GE 7000	29.2	30.0	40.1	42.0	49.0	50.0	51.6	52.6	53.6	54.2	54.4	54.6	54.8	55.2	55.7	55.9
GE 6000	29.6	30.3	41.0	43.1	50.1	51.1	52.7	53.7	54.7	55.3	55.6	55.7	55.9	56.3	56.8	57.0
GE 5000	30.9	31.7	43.7	45.9	53.2	54.2	55.8	56.8	57.8	58.4	58.7	58.8	59.0	59.4	59.9	60.1
GE 4500	33.9	34.8	46.8	49.0	56.4	57.4	59.0	60.1	61.1	61.8	62.0	62.1	62.3	62.8	63.2	63.4
GE 4000	38.1	39.1	51.9	54.6	62.2	63.3	65.1	66.2	67.2	67.9	68.1	68.2	68.4	68.9	69.3	69.6
GE 3500	40.4	41.6	55.0	57.7	65.4	66.7	68.9	70.2	71.2	72.2	72.4	72.6	72.8	73.2	73.7	73.9
GE 3000	45.8	47.1	60.8	63.6	72.1	73.3	75.8	77.2	78.2	79.3	79.8	80.0	80.2	80.7	81.2	81.4
GE 2500	47.3	48.7	62.9	65.7	74.4	75.8	78.4	79.9	80.9	82.0	82.4	82.7	82.9	83.3	83.9	84.1
GE 2000	49.3	50.7	65.3	68.2	77.1	78.7	81.6	83.1	84.1	85.3	86.0	86.2	86.4	86.9	87.4	87.7
GE 1800	50.6	51.9	66.6	69.6	78.4	80.0	82.9	84.4	85.4	86.7	87.3	87.6	87.8	88.2	88.8	89.0
GE 1500	53.0	54.3	69.6	72.9	82.2	83.8	86.7	88.2	89.2	90.4	91.2	91.4	91.7	92.1	92.7	92.9
GE 1200	53.7	55.1	70.8	74.1	83.4	85.0	87.9	89.4	90.4	91.7	92.4	92.7	92.9	93.3	93.9	94.1
GE 1000	53.9	55.3	71.7	75.0	84.3	85.9	88.9	90.7	91.7	92.9	93.7	93.9	94.1	94.6	95.1	95.4
GE 900	53.9	55.3	72.1	75.4	84.9	86.4	89.7	91.4	92.4	93.7	94.4	94.7	94.9	95.3	95.9	96.2
GE 800	54.1	55.6	72.3	75.7	85.2	86.8	90.1	91.9	92.9	94.1	94.9	95.1	95.3	95.8	96.3	96.7
GE 700	54.3	55.8	72.6	76.1	85.8	87.3	90.7	92.6	93.6	94.9	95.7	95.9	96.1	96.6	97.1	97.4
GE 600	54.3	55.8	72.6	76.2	85.9	87.4	90.8	92.7	93.8	95.1	95.9	96.1	96.3	96.8	97.3	97.7
GE 500	54.3	55.8	72.6	76.2	86.0	87.6	90.9	92.8	93.9	95.4	96.2	96.4	96.7	97.1	97.7	98.0
GE 400	54.3	55.8	72.6	76.2	86.0	87.6	90.9	92.9	94.0	95.7	96.4	96.7	96.9	97.3	97.9	98.2
GE 300	54.3	55.8	72.6	76.2	86.0	87.6	91.1	93.2	94.4	96.1	96.9	97.1	97.3	97.8	98.4	98.8
GE 200	54.3	55.8	72.6	76.2	86.0	87.6	91.1	93.2	94.6	96.2	97.0	97.2	97.4	98.0	98.8	99.6
GE 100	54.3	55.8	72.6	76.2	86.0	87.6	91.1	93.2	94.6	96.2	97.0	97.2	97.4	98.0	99.0	100.0
GE 000	54.3	55.8	72.6	76.2	86.0	87.6	91.1	93.2	94.6	96.2	97.0	97.2	97.4	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.0	28.2	32.6	32.9	34.1	34.2	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000	32.3	32.8	37.1	37.4	38.7	38.8	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 18000	32.9	33.3	37.7	38.0	39.2	39.3	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 16000	32.9	33.3	37.7	38.0	39.2	39.3	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 14000	33.0	33.4	37.8	38.1	39.3	39.4	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 12000	33.8	34.2	38.7	39.0	40.2	40.3	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 10000	36.4	37.0	41.7	42.0	43.2	43.3	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 9000	37.3	38.0	42.8	43.1	44.4	44.6	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 8000	41.1	41.9	47.1	47.4	49.2	49.3	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 7000	42.7	43.4	48.9	49.3	51.1	51.2	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 6000	43.0	43.8	49.3	49.8	51.6	51.7	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 5000	45.8	46.6	52.1	52.6	54.7	54.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 4500	48.3	49.3	55.0	55.4	57.6	57.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4000	53.6	54.9	61.1	61.7	63.9	64.2	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 3500	58.0	59.7	66.3	67.1	69.4	69.9	71.1	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 3000	68.3	70.7	78.1	79.0	82.1	82.8	84.0	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 2500	69.9	72.3	79.8	80.8	83.9	84.7	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 2000	73.9	76.7	84.6	85.6	88.8	89.8	91.0	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1800	74.3	77.1	85.1	86.1	89.3	90.3	91.6	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1500	76.9	80.0	88.6	89.8	93.3	94.4	95.7	96.0	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	77.6	80.8	89.3	90.6	94.3	95.4	96.7	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	78.0	81.2	89.9	91.1	95.0	96.2	97.8	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	78.1	81.3	90.0	91.2	95.2	96.4	98.0	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	78.2	81.4	90.2	91.4	95.4	96.8	98.3	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	78.3	81.6	90.3	91.6	95.7	97.0	98.6	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	78.3	81.6	90.3	91.6	95.7	97.1	98.7	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	78.3	81.6	90.3	91.6	95.7	97.1	98.7	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	78.3	81.6	90.3	91.6	95.7	97.1	98.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.3	81.6	90.3	91.6	95.7	97.1	98.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.3	81.6	90.3	91.6	95.7	97.1	98.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.3	81.6	90.3	91.6	95.7	97.1	98.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.3	81.6	90.3	91.6	95.7	97.1	98.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.4	31.4	32.1	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 20000	36.9	37.9	38.7	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 18000	37.4	38.4	39.2	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 16000	37.4	38.4	39.2	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 14000	37.6	38.6	39.3	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 12000	38.1	39.1	40.0	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 10000	42.4	43.6	44.6	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 9000	43.1	44.2	45.2	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 8000	47.4	49.0	50.1	50.4	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 7000	49.0	50.6	51.7	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 6000	49.2	50.8	51.9	52.2	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 5000	54.4	56.0	57.1	57.4	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4500	57.2	58.8	59.9	60.2	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 4000	64.1	65.9	67.7	68.0	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 3500	69.6	71.6	73.9	74.2	75.1	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	80.3	82.9	86.0	86.3	87.2	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2500	84.1	86.9	90.3	90.7	91.6	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2000	85.6	88.4	91.9	92.2	93.2	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1800	86.0	88.9	92.3	92.7	93.7	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1500	87.4	90.3	94.4	94.8	96.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	87.8	90.7	94.9	95.4	97.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	88.2	91.1	95.4	96.0	97.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	88.2	91.1	95.4	96.0	97.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.2	91.1	95.4	96.0	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.4	32.8	33.8	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
GE 20000	39.0	40.6	41.8	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	39.8	41.3	42.6	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	39.9	41.4	42.7	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 14000	40.2	41.9	43.1	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 12000	41.2	42.9	44.1	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 10000	45.0	46.9	48.1	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 9000	45.6	47.4	48.7	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 8000	51.2	53.6	54.8	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 7000	53.6	55.9	57.1	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 6000	54.7	57.0	58.2	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	60.2	62.6	63.8	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 4500	63.8	66.2	67.4	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4000	71.2	74.1	75.6	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3500	76.8	80.0	82.1	82.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3000	84.7	88.6	90.8	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500	86.6	90.4	92.9	93.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	87.8	91.7	94.3	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	88.1	92.0	94.7	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	89.4	93.4	96.7	98.2	99.0	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	89.4	93.4	96.9	98.4	99.3	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	89.4	93.4	96.9	98.4	99.3	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	89.4	93.4	96.9	98.4	99.3	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	89.4	93.4	96.9	98.4	99.3	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.4	93.4	96.9	98.4	99.3	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATION 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.6	36.1	36.8	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 20000	41.4	43.1	44.6	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 18000	42.1	43.9	45.3	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 16000	42.1	43.9	45.3	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 14000	42.2	44.0	45.4	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 12000	43.1	45.0	46.6	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 10000	46.2	48.4	50.2	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 9000	47.6	49.8	51.6	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 8000	53.6	56.0	58.1	58.3	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	56.9	59.3	61.4	61.7	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 6000	57.9	60.3	62.6	62.9	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 5000	63.9	66.3	68.8	69.1	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4500	67.9	70.7	73.1	73.4	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 4000	74.2	77.2	80.0	80.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 3500	79.2	82.6	86.0	86.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 3000	84.2	87.9	92.2	93.0	94.0	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2500	85.3	89.0	93.4	94.2	95.2	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2000	86.8	90.4	95.2	96.1	97.1	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	86.8	90.6	95.4	96.3	97.3	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	87.0	91.1	96.0	96.9	98.4	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	87.1	91.2	96.2	97.3	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	87.1	91.2	96.2	97.4	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	87.1	91.2	96.2	97.4	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.1	91.2	96.2	97.4	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	39.6	40.7	42.0	42.0	42.6	42.8	43.4	43.4	43.6	43.6	43.8	43.8	43.9	43.9	44.1	44.1
GE 20000	44.3	45.9	47.6	47.7	48.7	48.9	49.6	49.6	49.7	49.7	49.9	49.9	50.0	50.0	50.2	50.2
GE 18000	44.6	46.1	47.8	47.9	48.9	49.1	49.8	49.8	49.9	49.9	50.1	50.1	50.2	50.2	50.4	50.4
GE 16000	44.6	46.1	47.8	47.9	48.9	49.1	49.8	49.8	49.9	49.9	50.1	50.1	50.2	50.2	50.4	50.4
GE 14000	44.6	46.1	47.8	47.9	48.9	49.1	49.8	49.8	49.9	49.9	50.1	50.1	50.2	50.2	50.4	50.4
GE 12000	45.0	46.6	48.2	48.3	49.3	49.6	50.2	50.2	50.3	50.3	50.6	50.6	50.7	50.7	50.9	50.9
GE 10000	48.4	50.1	51.9	52.0	53.4	53.7	54.4	54.4	54.7	54.7	54.9	54.9	55.0	55.0	55.3	55.3
GE 9000	49.2	50.9	52.9	53.1	54.7	54.9	55.7	55.7	55.9	55.9	56.1	56.1	56.2	56.2	56.6	56.6
GE 8000	54.7	56.3	59.0	59.2	61.1	61.4	62.2	62.2	62.4	62.4	62.7	62.7	62.8	62.8	63.1	63.1
GE 7000	56.4	58.2	61.0	61.2	63.1	63.4	64.2	64.2	64.4	64.4	64.7	64.7	64.8	64.8	65.1	65.1
GE 6000	58.1	59.9	62.7	62.9	64.8	65.1	65.9	65.9	66.1	66.1	66.3	66.3	66.4	66.4	66.8	66.8
GE 5000	64.2	66.2	69.3	69.6	71.7	72.1	73.0	73.0	73.2	73.2	73.4	73.4	73.6	73.6	73.9	73.9
GE 4500	69.6	71.9	75.1	75.4	77.8	78.2	79.2	79.2	79.4	79.4	79.7	79.7	79.8	79.8	80.1	80.1
GE 4000	74.1	76.7	80.8	81.1	83.7	84.1	85.1	85.1	85.3	85.3	85.6	85.6	85.7	85.7	86.0	86.0
GE 3500	76.6	79.2	83.7	84.0	86.7	87.1	88.2	88.3	88.6	88.6	88.8	88.8	88.9	88.9	89.2	89.2
GE 3000	80.6	83.2	88.2	88.7	91.1	92.1	93.2	93.3	93.6	93.6	93.8	93.8	93.9	93.9	94.2	94.2
GE 2500	81.1	83.8	88.9	89.4	93.0	93.4	94.6	94.7	94.9	94.9	95.1	95.1	95.2	95.2	95.6	95.6
GE 2000	83.0	85.7	90.9	91.9	95.0	95.4	97.0	97.2	97.4	97.6	97.8	97.9	97.9	97.9	98.2	98.2
GE 1800	83.0	85.7	90.9	92.0	95.1	95.6	97.1	97.3	97.6	97.7	97.9	97.9	98.0	98.0	98.3	98.3
GE 1500	83.6	86.2	91.6	92.7	95.8	96.2	97.9	98.1	98.3	98.4	98.7	98.7	98.8	98.8	99.1	99.1
GE 1200	83.8	86.6	91.9	93.0	96.2	96.7	98.3	98.6	98.8	98.9	99.1	99.1	99.2	99.2	99.6	99.6
GE 1000	83.8	86.7	92.0	93.1	96.3	96.8	98.4	98.7	98.9	99.0	99.2	99.2	99.3	99.3	99.7	99.7
GE 900	83.8	86.8	92.1	93.2	96.4	96.9	98.6	98.8	99.0	99.1	99.3	99.3	99.4	99.4	99.8	99.8
GE 800	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	99.9
GE 700	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	99.9
GE 600	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	99.9
GE 500	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
GE 400	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
GE 300	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
GE 200	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
GE 100	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
GE 000	83.8	86.8	92.1	93.2	96.4	96.9	98.7	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.5	31.5	35.1	35.6	37.2	37.6	38.1	38.3	38.5	38.6	38.7	38.7	39.0	39.0	39.2	39.2
GE 20000	35.1	36.2	40.3	40.8	42.6	43.0	43.6	43.9	44.1	44.4	44.5	44.5	44.8	44.9	45.1	45.2
GE 18000	35.4	36.6	40.7	41.2	43.1	43.4	44.1	44.3	44.5	44.8	44.9	45.0	45.2	45.3	45.5	45.6
GE 16000	35.4	36.6	40.7	41.2	43.1	43.5	44.1	44.4	44.6	44.8	44.9	45.0	45.2	45.3	45.5	45.6
GE 14000	35.6	36.7	40.9	41.4	43.2	43.6	44.2	44.5	44.7	45.0	45.1	45.1	45.4	45.5	45.7	45.8
GE 12000	36.1	37.3	41.5	42.0	43.9	44.3	44.9	45.2	45.4	45.6	45.7	45.8	46.0	46.1	46.4	46.4
GE 10000	39.0	40.3	44.8	45.4	47.3	47.7	48.4	48.7	48.9	49.2	49.3	49.4	49.6	49.7	50.0	50.0
GE 9000	39.8	41.2	45.8	46.4	48.5	48.9	49.6	49.9	50.1	50.4	50.5	50.6	50.9	51.0	51.2	51.3
GE 8000	44.5	46.1	51.2	51.8	54.2	54.6	55.4	55.7	55.9	56.2	56.4	56.5	56.7	56.8	57.1	57.2
GE 7000	46.3	47.8	53.0	53.7	56.1	56.6	57.3	57.7	57.9	58.2	58.4	58.4	58.7	58.8	59.1	59.2
GE 6000	47.0	48.6	53.9	54.6	57.1	57.5	58.3	58.6	58.9	59.2	59.3	59.4	59.7	59.8	60.0	60.1
GE 5000	51.2	52.8	58.6	59.3	62.0	62.5	63.3	63.6	63.9	64.2	64.4	64.4	64.7	64.9	65.1	65.2
GE 4500	54.4	56.3	62.3	63.0	65.8	66.4	67.2	67.5	67.8	68.1	68.3	68.3	68.6	68.8	69.0	69.1
GE 4000	60.0	62.1	68.8	69.6	72.7	73.3	74.1	74.5	74.8	75.1	75.2	75.3	75.6	75.7	76.0	76.1
GE 3500	64.0	66.3	73.5	74.4	77.6	78.2	79.2	79.6	79.9	80.3	80.4	80.5	80.8	80.9	81.2	81.3
GE 3000	70.3	73.0	80.7	81.7	85.3	86.1	87.1	87.6	87.8	88.2	88.4	88.5	88.8	88.9	89.3	89.4
GE 2500	71.7	74.5	82.5	83.6	87.3	88.1	89.2	89.6	89.9	90.3	90.5	90.6	90.9	91.0	91.3	91.5
GE 2000	73.6	76.4	84.7	85.9	89.7	90.6	91.8	92.3	92.6	93.0	93.3	93.3	93.7	93.8	94.1	94.2
GE 1800	73.9	76.8	85.1	86.3	90.1	91.0	92.2	92.7	93.0	93.4	93.7	93.7	94.1	94.2	94.5	94.6
GE 1500	75.3	78.2	86.9	88.2	92.3	93.4	94.7	95.2	95.5	96.0	96.3	96.3	96.7	96.8	97.1	97.3
GE 1200	75.7	78.7	87.5	88.9	93.1	94.1	95.5	96.0	96.3	96.8	97.0	97.1	97.4	97.6	97.9	98.0
GE 1000	75.8	78.9	87.8	89.2	93.5	94.6	96.0	96.6	96.9	97.4	97.6	97.7	98.1	98.2	98.5	98.6
GE 900	76.0	79.0	88.0	89.4	93.7	94.8	96.3	96.9	97.2	97.7	97.9	98.0	98.3	98.5	98.8	98.9
GE 800	76.0	79.0	88.1	89.5	93.8	95.0	96.5	97.1	97.4	97.9	98.1	98.2	98.6	98.7	99.0	99.2
GE 700	76.0	79.1	88.1	89.6	93.9	95.1	96.6	97.2	97.5	98.0	98.3	98.4	98.7	98.8	99.1	99.3
GE 600	76.0	79.1	88.1	89.6	94.0	95.1	96.7	97.3	97.6	98.1	98.4	98.4	98.8	98.9	99.2	99.4
GE 500	76.0	79.1	88.1	89.6	94.0	95.2	96.7	97.3	97.6	98.1	98.4	98.5	98.8	98.9	99.3	99.5
GE 400	76.0	79.1	88.1	89.6	94.0	95.2	96.7	97.3	97.6	98.2	98.5	98.5	98.9	99.0	99.3	99.5
GE 300	76.0	79.1	88.1	89.6	94.0	95.2	96.7	97.3	97.7	98.2	98.5	98.6	98.9	99.1	99.4	99.6
GE 200	76.0	79.1	88.1	89.6	94.0	95.2	96.7	97.3	97.7	98.2	98.5	98.6	98.9	99.1	99.4	99.8
GE 100	76.0	79.1	88.1	89.6	94.0	95.2	96.7	97.3	97.7	98.2	98.5	98.6	98.9	99.1	99.5	100.0
GE 000	76.0	79.1	88.1	89.6	94.0	95.2	96.7	97.3	97.7	98.2	98.5	98.6	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7201

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: JUN 78 - MAY 88

LST TO UTC: - 1

MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	47.9	49.0	55.9	56.3	57.1	57.1	57.5	57.7	57.9	58.3	58.7	58.7	58.7	58.8	58.8	58.8
GE 20000	49.9	51.1	58.3	58.9	59.6	59.7	60.2	60.4	60.6	61.0	61.4	61.4	61.4	61.6	61.6	61.6
GE 18000	49.9	51.1	58.3	58.9	59.6	59.7	60.2	60.4	60.6	61.0	61.4	61.4	61.4	61.6	61.6	61.6
GE 16000	49.9	51.1	58.3	58.9	59.6	59.7	60.2	60.4	60.6	61.0	61.4	61.4	61.4	61.6	61.6	61.6
GE 14000	50.1	51.2	58.6	59.1	59.8	60.0	60.4	60.6	60.8	61.2	61.6	61.6	61.6	61.8	61.8	61.8
GE 12000	50.5	51.7	59.0	59.5	60.3	60.4	60.8	61.0	61.2	61.7	62.0	62.0	62.0	62.2	62.2	62.2
GE 10000	52.5	53.7	61.1	61.7	62.4	62.5	63.0	63.2	63.4	63.8	64.2	64.2	64.2	64.4	64.4	64.4
GE 9000	53.0	54.3	61.8	62.3	63.1	63.2	63.6	63.8	64.0	64.5	64.8	64.8	64.8	65.0	65.0	65.0
GE 8000	56.5	58.1	66.0	66.5	67.6	67.7	68.1	68.6	68.8	69.2	69.5	69.5	69.5	69.8	69.8	69.8
GE 7000	57.4	59.0	66.8	67.4	68.5	68.6	69.1	69.5	69.8	70.2	70.5	70.5	70.5	70.7	70.7	70.7
GE 6000	57.8	59.5	67.4	67.9	69.0	69.1	69.6	70.1	70.3	70.7	71.0	71.0	71.0	71.3	71.3	71.3
GE 5000	61.4	63.3	71.4	72.0	73.4	73.5	74.1	74.5	74.7	75.1	75.6	75.6	75.6	75.8	75.8	75.8
GE 4500	65.0	67.0	75.7	76.3	77.7	77.8	78.4	78.8	79.0	79.4	79.9	79.9	79.9	80.1	80.1	80.1
GE 4000	68.2	70.2	79.4	80.1	81.5	81.6	82.1	82.6	82.8	83.2	83.6	83.6	83.6	83.9	83.9	83.9
GE 3500	71.7	73.6	83.1	83.7	85.1	85.3	86.0	86.4	86.7	87.1	87.5	87.5	87.5	87.7	87.7	87.7
GE 3000	74.2	76.3	86.4	87.2	88.9	89.5	90.6	91.2	91.4	91.9	92.4	92.4	92.4	92.6	92.6	92.6
GE 2500	74.6	76.7	87.1	87.8	89.6	90.1	91.3	91.8	92.0	92.6	93.0	93.0	93.0	93.2	93.2	93.2
GE 2000	75.7	77.8	88.4	89.2	91.0	91.5	92.7	93.2	93.4	94.0	94.4	94.4	94.4	94.6	94.6	94.6
GE 1800	76.0	78.1	88.7	89.6	91.3	91.8	93.0	93.5	93.8	94.3	94.7	94.7	94.7	94.9	94.9	94.9
GE 1500	76.1	78.3	89.7	90.5	92.2	92.8	94.0	94.5	94.7	95.3	95.7	95.7	95.7	95.9	95.9	95.9
GE 1200	77.1	79.3	91.1	91.9	93.8	94.3	95.6	96.1	96.3	96.9	97.3	97.3	97.3	97.5	97.5	97.5
GE 1000	77.4	79.7	91.4	92.2	94.4	94.9	96.2	96.8	97.2	98.0	98.4	98.4	98.4	98.6	98.6	98.6
GE 900	77.4	79.7	91.4	92.2	94.4	94.9	96.2	96.8	97.2	98.0	98.4	98.4	98.4	98.6	98.6	98.6
GE 800	77.7	80.0	91.7	92.6	94.7	95.3	96.6	97.1	97.5	98.3	98.7	98.7	98.7	98.9	98.9	98.9
GE 700	77.7	80.0	91.8	92.8	94.9	95.6	96.9	97.4	97.8	98.6	99.0	99.0	99.0	99.2	99.2	99.2
GE 600	77.7	80.0	91.8	92.8	94.9	95.6	96.9	97.4	97.8	98.6	99.0	99.0	99.0	99.2	99.2	99.2
GE 500	77.7	80.0	91.8	92.8	95.0	95.7	97.0	97.6	98.1	98.8	99.2	99.2	99.2	99.5	99.5	99.5
GE 400	77.7	80.0	91.8	92.8	95.0	95.7	97.0	97.6	98.1	98.8	99.2	99.2	99.2	99.5	99.5	99.7
GE 300	77.7	80.0	91.8	92.8	95.0	95.7	97.0	97.6	98.1	98.8	99.2	99.2	99.2	99.5	99.5	99.9
GE 200	77.7	80.0	91.8	92.8	95.0	95.7	97.0	97.6	98.1	98.8	99.2	99.2	99.2	99.5	99.5	99.9
GE 100	77.7	80.0	91.8	92.8	95.0	95.7	97.0	97.6	98.1	98.8	99.2	99.2	99.2	99.6	99.6	100.0
GE 000	77.7	80.0	91.8	92.8	95.0	95.7	97.0	97.6	98.1	98.8	99.2	99.2	99.2	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.6	28.3	39.7	41.0	45.5	46.7	47.6	47.7	48.3	49.1	49.6	49.7	49.9	50.1	50.5	50.8
GE 20000	29.0	29.9	41.8	43.1	48.0	49.1	50.1	50.3	50.9	51.7	52.2	52.3	52.5	52.7	53.1	53.3
GE 18000	29.0	29.9	41.8	43.1	48.0	49.1	50.1	50.3	50.9	51.7	52.2	52.3	52.5	52.7	53.1	53.3
GE 16000	29.0	29.9	41.8	43.1	48.0	49.1	50.1	50.3	50.9	51.7	52.2	52.3	52.5	52.7	53.1	53.3
GE 14000	29.0	29.9	42.0	43.3	48.2	49.4	50.3	50.5	51.1	51.9	52.4	52.5	52.7	52.9	53.3	53.5
GE 12000	29.1	30.0	42.3	43.5	48.4	49.6	50.5	50.8	51.3	52.2	52.6	52.7	52.9	53.1	53.5	53.8
GE 10000	31.0	31.9	44.2	45.6	50.4	51.6	52.7	53.2	53.8	54.6	55.1	55.2	55.6	55.8	56.2	56.5
GE 9000	31.7	32.7	45.1	46.7	51.7	52.9	54.0	54.5	55.1	55.9	56.3	56.5	56.9	57.1	57.5	57.7
GE 8000	34.8	35.8	49.0	50.8	56.1	57.3	58.6	59.2	59.8	60.6	61.1	61.2	61.6	61.8	62.3	62.5
GE 7000	35.6	36.6	49.9	51.7	57.2	58.4	59.7	60.3	60.9	61.7	62.2	62.3	62.7	62.9	63.3	63.5
GE 6000	36.0	37.0	50.4	52.3	57.7	58.9	60.2	60.9	61.4	62.3	62.7	62.8	63.2	63.4	63.9	64.1
GE 5000	38.5	39.5	54.1	55.9	61.5	62.7	64.0	64.6	65.2	66.0	66.5	66.6	67.0	67.2	67.7	68.0
GE 4500	42.0	43.1	58.2	60.1	66.2	67.4	68.9	69.6	70.1	71.0	71.4	71.5	71.9	72.2	72.7	72.9
GE 4000	47.2	48.4	64.2	66.3	72.6	73.8	75.4	76.0	76.7	77.6	78.1	78.2	78.6	78.8	79.4	79.6
GE 3500	50.6	51.8	68.2	70.4	76.9	78.1	79.8	80.4	81.1	82.2	82.6	82.7	83.1	83.3	84.0	84.2
GE 3000	53.1	54.5	71.6	74.1	80.6	82.3	84.9	85.6	86.2	87.3	87.8	88.0	88.4	88.6	89.2	89.5
GE 2500	54.2	55.6	72.7	75.2	81.7	83.4	86.1	86.8	87.4	88.6	89.1	89.2	89.7	89.9	90.5	90.8
GE 2000	55.3	56.7	73.9	76.3	82.9	84.7	87.4	88.1	88.7	90.0	90.5	90.6	91.1	91.3	91.9	92.2
GE 1800	55.4	56.8	74.0	76.5	83.0	84.8	87.5	88.2	88.8	90.1	90.6	90.8	91.2	91.4	92.0	92.3
GE 1500	55.9	57.3	75.4	78.2	85.1	86.9	89.6	90.2	90.9	92.2	92.7	92.8	93.2	93.4	94.1	94.3
GE 1200	57.0	58.5	77.1	80.0	87.1	88.9	91.6	92.3	92.9	94.2	94.7	94.8	95.3	95.5	96.1	96.3
GE 1000	57.1	58.6	77.2	80.1	87.3	89.2	92.0	92.7	93.3	94.8	95.5	95.6	96.0	96.2	96.9	97.1
GE 900	57.2	58.7	77.4	80.3	87.5	89.5	92.3	93.0	93.7	95.2	95.8	95.9	96.3	96.6	97.2	97.4
GE 800	57.5	59.0	77.7	80.6	87.8	89.8	92.6	93.3	94.0	95.5	96.1	96.2	96.7	97.0	97.6	97.8
GE 700	57.5	59.0	78.1	81.0	88.2	90.2	93.0	93.9	94.5	96.0	96.8	96.9	97.3	97.6	98.3	98.5
GE 600	57.5	59.0	78.1	81.0	88.2	90.2	93.0	94.0	94.6	96.1	96.9	97.0	97.4	97.7	98.4	98.6
GE 500	57.5	59.0	78.1	81.0	88.2	90.2	93.0	94.1	94.7	96.2	97.0	97.1	97.5	97.8	98.5	98.7
GE 400	57.5	59.0	78.1	81.0	88.2	90.2	93.0	94.1	94.7	96.2	97.0	97.1	97.5	97.8	98.5	98.9
GE 300	57.5	59.0	78.1	81.0	88.2	90.2	93.0	94.1	94.7	96.2	97.0	97.1	97.5	97.8	98.5	99.0
GE 200	57.5	59.0	78.1	81.0	88.2	90.2	93.0	94.1	94.7	96.2	97.0	97.1	97.5	97.8	98.5	99.7
GE 100	57.6	59.1	78.2	81.1	88.3	90.3	93.1	94.2	94.8	96.3	97.1	97.2	97.7	98.1	99.1	99.9
GE 000	57.6	59.1	78.2	81.1	88.3	90.3	93.1	94.2	94.8	96.3	97.1	97.2	97.7	98.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.5	20.8	30.9	33.4	39.1	39.9	40.6	41.2	41.3	42.2	42.2	42.2	42.2	42.3	42.6	43.0
GE 20000	22.6	22.8	33.8	36.6	43.1	43.9	44.7	45.3	45.4	46.2	46.2	46.3	46.3	46.5	46.8	47.2
GE 18000	22.9	23.1	34.2	37.0	43.5	44.3	45.2	45.7	45.8	46.7	46.7	46.8	46.8	46.9	47.2	47.6
GE 16000	22.9	23.1	34.2	37.0	43.5	44.3	45.2	45.7	45.8	46.7	46.7	46.8	46.8	46.9	47.2	47.6
GE 14000	23.0	23.2	34.3	37.1	43.7	44.4	45.3	45.8	45.9	46.8	46.8	46.9	46.9	47.0	47.3	47.7
GE 12000	23.3	23.5	34.6	37.5	44.1	44.9	45.8	46.3	46.5	47.3	47.3	47.4	47.4	47.5	47.8	48.3
GE 10000	25.2	25.6	37.7	40.8	47.5	48.4	49.2	49.8	49.9	50.9	50.9	51.0	51.0	51.2	51.5	51.9
GE 9000	26.5	26.9	39.2	42.3	49.2	50.1	51.2	51.7	51.8	52.8	52.8	52.9	52.9	53.1	53.4	53.9
GE 8000	30.4	30.9	45.2	48.5	55.7	56.8	58.0	58.5	58.6	59.8	59.8	59.9	59.9	60.1	60.4	60.9
GE 7000	31.0	31.5	46.0	49.5	56.7	57.7	59.0	59.6	59.7	60.9	60.9	61.0	61.0	61.2	61.5	61.9
GE 6000	31.1	31.6	46.2	49.7	56.9	58.0	59.2	59.8	59.9	61.1	61.1	61.2	61.2	61.4	61.7	62.2
GE 5000	34.6	35.2	50.1	53.5	61.1	62.2	63.4	64.0	64.1	65.3	65.3	65.4	65.4	65.6	65.9	66.3
GE 4500	36.5	37.0	52.8	56.6	64.6	65.8	67.4	68.1	68.2	69.4	69.4	69.5	69.5	69.7	70.0	70.4
GE 4000	40.0	40.6	57.6	61.7	70.5	71.7	73.3	74.0	74.2	75.7	75.7	75.9	75.9	76.1	76.5	76.9
GE 3500	42.4	43.0	60.9	65.4	74.8	76.2	77.8	78.6	78.8	80.5	80.5	80.8	80.8	81.0	81.3	81.7
GE 3000	46.0	46.7	65.7	70.2	80.0	81.6	83.5	84.4	84.6	86.3	86.6	86.8	86.8	87.0	87.3	87.7
GE 2500	46.5	47.2	66.3	70.9	80.6	82.4	84.3	85.3	85.5	87.2	87.4	87.6	87.6	87.8	88.2	88.6
GE 2000	48.3	49.1	68.4	73.0	83.0	84.8	86.8	87.7	88.0	89.7	89.9	90.1	90.1	90.3	90.6	91.1
GE 1800	48.5	49.4	68.7	73.3	83.4	85.3	87.2	88.2	88.4	90.1	90.3	90.5	90.5	90.8	91.1	91.5
GE 1500	49.7	50.5	70.3	75.2	85.5	87.6	89.7	90.8	91.0	92.8	93.0	93.2	93.2	93.4	93.8	94.2
GE 1200	50.6	51.5	71.4	76.2	86.8	89.0	91.3	92.4	92.7	94.5	94.7	94.9	94.9	95.2	95.5	95.9
GE 1000	51.0	51.8	71.8	76.7	87.3	89.7	91.9	93.0	93.3	95.4	95.6	95.8	95.8	96.0	96.3	96.8
GE 900	51.1	51.9	71.9	76.8	87.4	89.8	92.0	93.1	93.4	95.5	95.7	95.9	95.9	96.1	96.5	96.9
GE 800	51.1	51.9	72.2	77.0	87.6	90.0	92.4	93.4	93.8	95.8	96.0	96.2	96.2	96.5	96.8	97.2
GE 700	51.1	51.9	72.2	77.0	87.6	90.4	92.8	93.9	94.3	96.3	96.6	96.8	96.8	97.0	97.3	97.7
GE 600	51.1	51.9	72.2	77.0	87.6	90.8	93.2	94.3	94.8	96.9	97.1	97.3	97.3	97.5	97.8	98.3
GE 500	51.1	51.9	72.2	77.0	87.7	91.1	93.7	94.7	95.3	97.4	97.6	97.8	97.8	98.2	98.5	98.9
GE 400	51.1	51.9	72.2	77.0	87.7	91.1	93.7	94.7	95.3	97.4	97.6	97.8	97.8	98.2	98.5	99.0
GE 300	51.1	51.9	72.2	77.0	87.7	91.1	93.7	94.7	95.3	97.4	97.6	97.8	97.8	98.2	98.8	99.5
GE 200	51.1	51.9	72.2	77.0	87.7	91.1	93.7	94.7	95.3	97.4	97.7	98.0	98.0	98.3	99.0	99.9
GE 100	51.1	51.9	72.2	77.0	87.7	91.1	93.7	94.7	95.3	97.4	97.7	98.0	98.0	98.3	99.0	100.0
GE 000	51.1	51.9	72.2	77.0	87.7	91.1	93.7	94.7	95.3	97.4	97.7	98.0	98.0	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.2	33.8	37.3	38.0	38.9	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 20000	38.6	39.1	43.5	44.6	45.6	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 18000	38.8	39.4	43.8	44.8	45.8	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 16000	38.9	39.5	43.9	44.9	45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 14000	38.9	39.5	43.9	44.9	45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 12000	39.5	40.0	44.4	45.5	46.5	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 10000	42.7	43.2	48.0	49.1	50.4	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 9000	44.0	44.5	49.2	50.4	51.8	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 8000	48.3	48.8	53.9	55.3	56.9	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000	49.9	50.4	55.5	56.9	58.7	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 6000	50.9	51.4	56.5	57.8	59.7	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000	54.0	54.7	60.5	62.0	63.9	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4500	55.6	56.3	62.8	64.4	66.3	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 4000	58.9	59.7	66.6	68.4	70.3	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3500	64.0	64.8	72.6	74.6	77.1	77.8	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 3000	71.5	72.6	81.5	83.7	86.3	87.5	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2500	73.7	74.7	83.8	86.1	88.8	90.0	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	76.6	77.6	86.9	89.8	92.6	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	77.1	78.2	87.4	90.3	93.3	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	78.1	79.1	88.7	91.8	94.9	96.3	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	78.5	79.6	89.4	92.5	95.9	97.4	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	78.5	79.6	89.7	93.0	96.7	98.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	78.5	79.6	89.8	93.1	97.1	98.6	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	78.5	79.6	89.8	93.1	97.1	98.6	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	78.5	79.6	89.9	93.2	97.2	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	78.5	79.6	89.9	93.2	97.2	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	78.5	79.6	89.9	93.2	97.2	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	78.5	79.6	89.9	93.2	97.2	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	78.5	79.6	89.9	93.2	97.2	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	78.5	79.6	89.9	93.2	97.2	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	78.5	79.6	89.9	93.2	97.2	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	78.5	79.6	89.9	93.2	97.2	98.9	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.5	34.7	36.1	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 20000	40.9	42.2	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 18000	41.5	42.8	44.5	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 16000	41.5	42.8	44.5	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 14000	41.8	43.1	44.8	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000	42.5	43.8	45.5	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 10000	45.8	47.3	49.2	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 9000	47.0	48.6	50.8	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 8000	51.4	53.0	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 7000	53.4	55.3	57.8	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 6000	54.0	55.8	58.4	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 5000	59.4	61.2	64.1	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4500	62.9	64.9	68.3	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 4000	66.9	68.9	72.3	72.5	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3500	73.2	75.4	79.2	79.6	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	81.9	84.5	89.0	89.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	83.7	86.2	90.9	91.3	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2000	86.3	89.1	93.9	94.4	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	86.3	89.2	94.0	94.5	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	86.6	89.5	94.2	94.7	97.0	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	87.4	90.3	95.2	95.7	98.0	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.7	90.8	95.7	96.2	98.7	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.1	39.7	40.6	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 20000	44.4	46.1	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 18000	44.7	46.6	47.7	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 16000	45.1	46.9	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 14000	45.5	47.3	48.5	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 12000	46.1	48.1	49.4	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 10000	48.8	51.1	52.5	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 9000	51.1	53.4	54.9	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 8000	56.0	58.5	60.2	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 7000	57.6	60.1	61.8	62.0	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 6000	58.7	61.2	62.9	63.1	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 5000	64.2	66.8	68.6	68.9	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500	69.7	72.4	74.2	74.5	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4000	74.4	77.2	79.0	79.6	80.3	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3500	78.9	81.7	84.1	84.6	85.7	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3000	84.9	88.1	90.8	91.4	92.8	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2500	86.7	90.1	92.8	93.4	94.8	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	88.6	92.2	94.9	95.6	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	88.8	92.4	95.2	95.8	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	88.8	92.6	95.7	96.5	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	89.0	92.8	96.0	96.8	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	89.1	92.9	96.1	96.9	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	89.1	92.9	96.1	96.9	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	89.1	92.9	96.1	96.9	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.2	93.0	96.2	97.0	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	45.1	45.9	47.1	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 20000	50.5	51.7	53.1	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 18000	50.6	51.9	53.3	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 16000	50.8	52.0	53.4	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 14000	50.8	52.0	53.5	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 12000	51.5	52.9	54.5	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 10000	54.7	56.1	57.7	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 9000	57.2	59.0	60.8	60.9	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	63.0	64.9	66.9	67.1	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 7000	65.2	67.1	69.2	69.5	70.2	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 6000	66.1	68.2	70.3	70.5	71.3	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 5000	71.6	73.8	76.1	76.3	77.2	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4500	75.4	77.7	80.4	80.6	81.5	81.8	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 4000	80.8	83.2	86.1	86.5	87.5	87.8	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	84.4	87.0	90.2	90.5	91.6	91.9	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3000	87.1	89.7	93.2	93.5	94.8	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2500	88.0	90.5	94.1	94.5	95.8	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	88.6	91.2	94.7	95.3	96.6	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	88.8	91.4	94.9	95.5	96.8	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	89.2	91.9	95.9	96.7	98.0	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	89.4	92.0	96.1	96.9	98.3	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	89.4	92.0	96.2	97.0	98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	89.4	92.0	96.2	97.0	98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	89.4	92.0	96.2	97.0	98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.4	92.2	96.3	97.1	98.7	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	51.2	52.2	55.3	55.3	55.8	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 20000	54.9	56.0	59.7	59.7	60.3	60.8	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
GE 18000	54.9	56.0	59.7	59.7	60.3	60.8	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
GE 16000	54.9	56.0	59.7	59.7	60.3	60.8	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
GE 14000	55.1	56.1	59.8	59.8	60.4	60.9	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
GE 12000	55.6	56.7	60.5	60.6	61.3	61.7	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0
GE 10000	58.1	59.1	63.0	63.1	63.8	64.3	64.3	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7
GE 9000	59.2	60.3	64.3	64.4	65.3	65.9	65.9	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3
GE 8000	63.0	64.5	69.0	69.1	70.2	70.9	70.9	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.4
GE 7000	64.3	65.8	70.3	70.4	71.6	72.4	72.5	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	73.0
GE 6000	64.9	66.5	71.1	71.2	72.4	73.1	73.2	73.4	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.8
GE 5000	69.1	70.9	75.9	76.2	77.4	78.2	78.4	78.8	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.2
GE 4500	71.3	73.0	78.4	78.7	79.9	80.6	80.9	81.3	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.7
GE 4000	77.0	78.9	84.9	85.4	86.6	87.3	87.5	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.4
GE 3500	78.3	80.3	86.9	87.3	88.6	89.5	89.7	90.1	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.5
GE 3000	81.1	83.2	90.6	91.2	92.6	93.5	94.0	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	95.1
GE 2500	81.6	83.8	91.2	91.7	93.2	94.2	94.6	95.3	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.7
GE 2000	82.5	84.6	92.4	93.0	94.6	95.6	96.0	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.1
GE 1800	82.7	84.8	92.6	93.2	94.8	95.8	96.2	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.3
GE 1500	83.3	85.5	93.2	93.9	95.8	96.8	97.2	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.3
GE 1200	83.3	85.6	93.3	94.0	96.0	97.0	97.6	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.7
GE 1000	83.5	85.8	93.7	94.3	96.5	97.4	98.2	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2
GE 900	83.5	85.8	93.9	94.5	96.7	97.6	98.4	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.5
GE 800	83.8	86.0	94.1	94.7	96.9	97.8	98.6	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7
GE 700	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	83.8	86.0	94.2	94.8	97.1	98.2	98.9	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.1	38.0	42.9	43.5	45.2	45.5	45.8	45.9	46.0	46.3	46.4	46.4	46.4	46.5	46.6	46.7
GE 20000	41.4	42.4	47.7	48.4	50.3	50.7	50.9	51.1	51.2	51.5	51.6	51.6	51.6	51.7	51.8	51.9
GE 18000	41.6	42.6	47.9	48.7	50.5	50.9	51.2	51.3	51.4	51.7	51.8	51.8	51.9	51.9	52.0	52.1
GE 16000	41.6	42.7	48.0	48.7	50.6	51.0	51.3	51.4	51.5	51.8	51.9	51.9	51.9	52.0	52.1	52.2
GE 14000	41.8	42.8	48.2	48.9	50.8	51.1	51.4	51.6	51.7	52.0	52.1	52.1	52.1	52.2	52.3	52.4
GE 12000	42.3	43.3	48.8	49.5	51.4	51.8	52.1	52.2	52.3	52.6	52.7	52.7	52.8	52.8	52.9	53.0
GE 10000	44.8	46.0	51.7	52.5	54.4	54.8	55.2	55.3	55.5	55.7	55.8	55.9	55.9	56.0	56.1	56.2
GE 9000	46.2	47.5	53.3	54.1	56.2	56.6	56.9	57.1	57.2	57.5	57.6	57.6	57.7	57.8	57.9	58.0
GE 8000	50.4	51.8	58.2	59.2	61.4	61.9	62.3	62.5	62.6	63.0	63.1	63.1	63.1	63.2	63.3	63.4
GE 7000	51.8	53.2	59.7	60.7	63.0	63.5	64.0	64.2	64.3	64.7	64.8	64.8	64.8	64.9	65.0	65.1
GE 6000	52.4	53.9	60.4	61.4	63.7	64.3	64.7	64.9	65.0	65.4	65.5	65.5	65.6	65.6	65.7	65.8
GE 5000	56.6	58.2	65.1	66.2	68.6	69.2	69.7	70.0	70.1	70.4	70.5	70.5	70.6	70.7	70.8	70.9
GE 4500	59.8	61.4	68.8	70.0	72.6	73.2	73.8	74.1	74.2	74.5	74.6	74.6	74.7	74.8	74.9	75.0
GE 4000	64.2	65.9	73.8	75.1	77.8	78.4	79.0	79.3	79.5	79.8	80.0	80.0	80.1	80.1	80.3	80.3
GE 3500	67.9	69.7	78.1	79.5	82.6	83.2	83.9	84.2	84.3	84.8	84.9	84.9	85.0	85.1	85.2	85.3
GE 3000	72.5	74.4	83.6	85.1	88.1	89.3	90.2	90.6	90.7	91.2	91.3	91.4	91.4	91.5	91.6	91.7
GE 2500	73.6	75.6	84.9	86.4	89.8	90.7	91.6	91.9	92.1	92.5	92.7	92.7	92.8	92.9	93.0	93.1
GE 2000	75.2	77.3	86.7	88.3	91.8	92.8	93.7	94.0	94.2	94.6	94.8	94.9	94.9	95.0	95.1	95.2
GE 1800	75.5	77.5	86.9	88.6	92.1	93.1	94.0	94.3	94.5	95.0	95.1	95.2	95.2	95.3	95.4	95.5
GE 1500	76.0	78.1	87.9	89.7	93.3	94.4	95.3	95.7	95.9	96.4	96.5	96.6	96.6	96.7	96.8	96.9
GE 1200	76.5	78.7	88.7	90.5	94.3	95.3	96.4	96.8	96.9	97.4	97.6	97.6	97.7	97.8	97.9	98.0
GE 1000	76.7	78.9	89.0	90.8	94.8	95.9	96.9	97.4	97.6	98.1	98.3	98.4	98.4	98.5	98.6	98.7
GE 900	76.7	78.9	89.1	90.9	94.9	96.0	97.1	97.5	97.7	98.3	98.5	98.5	98.6	98.6	98.8	98.9
GE 800	76.9	79.0	89.2	91.0	95.0	96.1	97.2	97.7	97.9	98.5	98.6	98.7	98.7	98.8	98.9	99.0
GE 700	76.9	79.1	89.3	91.1	95.2	96.4	97.5	98.0	98.2	98.7	98.9	99.0	99.0	99.1	99.2	99.3
GE 600	76.9	79.1	89.3	91.1	95.2	96.5	97.6	98.0	98.3	98.8	99.0	99.1	99.1	99.2	99.3	99.4
GE 500	76.9	79.1	89.3	91.1	95.2	96.5	97.6	98.1	98.3	99.0	99.2	99.2	99.3	99.4	99.5	99.6
GE 400	76.9	79.1	89.3	91.1	95.2	96.5	97.6	98.1	98.3	99.0	99.2	99.2	99.3	99.4	99.5	99.7
GE 300	76.9	79.1	89.3	91.1	95.2	96.5	97.6	98.1	98.3	99.0	99.2	99.2	99.3	99.4	99.6	99.8
GE 200	76.9	79.1	89.3	91.1	95.2	96.5	97.6	98.1	98.3	99.0	99.2	99.3	99.3	99.4	99.7	99.9
GE 100	76.9	79.1	89.3	91.2	95.2	96.5	97.6	98.1	98.4	99.0	99.2	99.3	99.3	99.5	99.7	100.0
GE 000	76.9	79.1	89.3	91.2	95.2	96.5	97.7	98.2	98.4	99.0	99.2	99.3	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.5	42.9	50.5	52.4	55.3	56.5	57.1	57.7	57.8	58.2	58.9	58.9	59.1	60.6	61.4	61.9
GE 20000	42.9	44.5	52.7	54.5	57.7	58.9	59.7	60.3	60.4	60.9	61.6	61.6	61.8	63.3	64.1	64.6
GE 18000	43.0	44.6	52.8	54.6	57.8	59.0	59.8	60.4	60.5	61.0	61.7	61.7	61.9	63.4	64.2	64.7
GE 16000	43.0	44.6	52.8	54.6	57.8	59.0	59.8	60.4	60.5	61.0	61.7	61.7	61.9	63.4	64.2	64.7
GE 14000	43.0	44.6	52.8	54.6	57.8	59.0	59.8	60.4	60.5	61.0	61.7	61.7	61.9	63.4	64.2	64.7
GE 12000	43.4	45.1	53.2	55.1	58.3	59.5	60.2	60.9	61.0	61.4	62.2	62.2	62.4	63.9	64.6	65.2
GE 10000	45.5	47.2	55.6	57.5	60.8	61.9	62.7	63.3	63.4	63.9	64.6	64.6	64.8	66.3	67.1	67.6
GE 9000	46.6	48.4	56.9	58.8	62.0	63.2	64.0	64.6	64.7	65.2	65.9	65.9	66.1	67.6	68.4	69.0
GE 8000	49.4	51.3	59.9	61.8	65.3	66.5	67.2	67.8	68.0	68.5	69.2	69.2	69.5	71.0	71.8	72.6
GE 7000	50.6	52.7	61.4	63.3	66.8	68.0	68.7	69.4	69.5	70.0	70.8	70.8	71.0	72.5	73.3	74.1
GE 6000	50.8	52.8	61.5	63.4	66.9	68.1	68.8	69.5	69.6	70.1	70.9	70.9	71.1	72.6	73.4	74.2
GE 5000	53.5	55.7	64.7	66.8	70.3	71.6	72.4	73.0	73.1	73.7	74.5	74.5	74.7	76.2	77.1	77.8
GE 4500	56.8	59.1	68.6	70.8	74.4	75.7	76.7	77.3	77.4	78.1	78.9	78.9	79.1	80.6	81.5	82.4
GE 4000	61.4	63.9	74.1	76.3	80.3	81.6	82.6	83.2	83.3	84.1	84.9	84.9	85.2	86.9	87.7	88.6
GE 3500	62.8	65.3	75.5	77.7	81.7	83.0	84.0	84.6	84.7	85.5	86.3	86.3	86.6	88.3	89.1	90.0
GE 3000	64.6	67.1	77.8	80.1	84.5	85.9	87.2	88.4	88.5	89.2	90.1	90.1	90.3	92.0	92.9	93.9
GE 2500	64.8	67.3	78.1	80.3	84.7	86.1	87.4	88.6	88.7	89.5	90.3	90.3	90.5	92.3	93.1	94.1
GE 2000	65.9	68.4	79.4	81.6	86.1	87.5	88.8	90.0	90.1	90.9	91.7	91.7	91.9	93.7	94.5	95.5
GE 1800	65.9	68.4	79.5	81.7	86.2	87.6	88.9	90.1	90.3	91.1	91.9	91.9	92.2	93.9	94.7	95.7
GE 1500	66.8	69.2	80.6	82.9	87.7	89.1	90.6	91.8	92.2	93.0	93.9	93.9	94.1	95.8	96.7	97.6
GE 1200	66.9	69.4	80.8	83.0	87.8	89.2	90.9	92.0	92.4	93.3	94.2	94.2	94.4	96.1	97.0	98.0
GE 1000	66.9	69.4	80.9	83.1	88.0	89.4	91.0	92.3	92.6	93.5	94.7	94.7	94.9	96.7	97.5	98.5
GE 900	66.9	69.4	80.9	83.1	88.0	89.4	91.0	92.3	92.6	93.5	94.7	94.7	94.9	96.7	97.5	98.5
GE 800	66.9	69.4	80.9	83.1	88.1	89.5	91.1	92.4	92.7	93.7	94.8	94.8	95.2	96.9	97.7	98.7
GE 700	66.9	69.4	80.9	83.1	88.1	89.5	91.1	92.4	92.7	93.7	94.8	94.8	95.2	96.9	97.7	98.7
GE 600	66.9	69.4	80.9	83.1	88.1	89.5	91.3	92.6	92.9	93.9	95.1	95.1	95.4	97.1	98.0	98.9
GE 500	66.9	69.4	80.9	83.1	88.1	89.5	91.3	92.6	92.9	93.9	95.1	95.1	95.4	97.1	98.0	98.9
GE 400	66.9	69.4	81.0	83.2	88.2	89.6	91.4	92.7	93.0	94.0	95.2	95.2	95.5	97.2	98.1	99.0
GE 300	66.9	69.4	81.0	83.2	88.2	89.6	91.4	92.7	93.0	94.0	95.2	95.2	95.5	97.3	98.2	99.1
GE 200	66.9	69.4	81.0	83.2	88.2	89.6	91.4	92.7	93.0	94.0	95.2	95.2	95.5	97.3	98.2	99.1
GE 100	66.9	69.4	81.0	83.2	88.2	89.6	91.4	92.7	93.0	94.0	95.2	95.2	95.5	97.3	98.3	99.5
GE 000	66.9	69.4	81.0	83.2	88.2	89.6	91.4	92.7	93.0	94.0	95.2	95.2	95.5	97.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 03-05

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.2	30.9	41.0	42.3	47.6	48.4	50.2	51.9	52.5	54.0	54.4	54.8	55.6	56.6	57.2	58.0
GE 20000	31.4	32.0	42.5	43.8	49.5	50.4	52.3	54.0	54.5	56.0	56.5	56.9	57.6	58.6	59.4	60.1
GE 18000	31.5	32.2	42.6	43.9	49.6	50.5	52.4	54.1	54.6	56.1	56.6	57.0	57.7	58.7	59.5	60.2
GE 16000	31.5	32.2	42.6	43.9	49.6	50.5	52.4	54.1	54.6	56.1	56.6	57.0	57.7	58.7	59.5	60.2
GE 14000	31.5	32.2	42.6	43.9	49.6	50.5	52.4	54.1	54.6	56.1	56.6	57.0	57.7	58.7	59.5	60.2
GE 12000	32.3	32.9	43.4	44.7	50.4	51.4	53.3	55.1	55.6	57.1	57.5	58.0	58.7	59.8	60.6	61.4
GE 10000	33.5	34.2	45.2	46.5	52.4	53.3	55.3	57.0	57.5	59.0	59.5	59.9	60.6	61.8	62.7	63.4
GE 9000	34.1	34.7	45.7	47.0	53.0	54.0	55.9	57.6	58.2	59.8	60.2	60.6	61.4	62.6	63.4	64.2
GE 8000	36.2	37.0	48.7	50.0	56.1	57.2	59.1	61.0	61.5	63.1	63.5	64.0	64.7	66.0	66.9	67.6
GE 7000	37.5	38.3	50.1	51.4	57.5	58.6	60.5	62.4	62.9	64.5	64.9	65.4	66.1	67.4	68.3	69.0
GE 6000	37.7	38.5	50.3	51.6	57.7	58.8	60.8	62.6	63.1	64.7	65.2	65.6	66.3	67.6	68.5	69.2
71.3	GE 5000	39.0	39.8	51.8	53.2	59.4	60.5	62.7	64.6	65.2	66.8	67.2	67.6	68.4	69.7	70.5
GE 4500	41.1	41.8	54.3	55.7	61.9	63.2	65.5	67.4	68.0	69.8	70.2	70.6	71.4	72.7	73.5	74.3
GE 4000	44.5	45.3	58.8	60.2	67.0	68.4	70.8	72.8	73.3	75.2	75.9	76.3	77.1	78.5	79.4	80.1
GE 3500	46.5	47.2	61.3	62.7	69.8	71.3	73.7	75.9	76.5	78.3	79.0	79.5	80.2	81.6	82.5	83.2
GE 3000	48.6	49.5	64.1	65.8	73.1	74.8	77.5	80.0	80.5	82.5	83.2	83.7	84.4	85.9	86.8	87.6
GE 2500	48.8	49.7	64.3	66.0	73.3	75.1	77.7	80.2	80.8	82.7	83.4	83.9	84.6	86.1	87.0	87.8
GE 2000	49.7	50.8	66.0	67.7	75.6	77.3	80.0	82.6	83.1	85.3	86.0	86.5	87.2	88.7	89.6	90.4
GE 1800	49.8	50.9	66.1	67.8	75.8	77.5	80.2	82.8	83.3	85.5	86.2	86.7	87.4	88.9	89.8	90.6
GE 1500	50.8	51.9	67.7	69.8	78.2	79.9	82.6	85.2	85.7	87.8	88.6	89.0	89.8	91.3	92.2	93.0
GE 1200	51.4	52.6	68.4	70.4	78.9	80.6	83.4	86.0	86.7	88.8	89.8	90.2	91.0	92.5	93.3	94.2
GE 1000	51.5	52.7	68.6	70.6	79.1	80.9	83.7	86.6	87.2	89.5	90.4	90.9	91.9	93.4	94.3	95.2
GE 900	51.5	52.7	68.7	70.8	79.2	81.0	83.8	86.7	87.4	89.8	90.8	91.2	92.3	93.8	94.6	95.5
GE 800	51.6	52.8	68.8	70.9	79.4	81.1	83.9	86.8	87.5	89.9	90.9	91.3	92.5	94.0	94.8	95.7
GE 700	51.6	52.8	68.8	70.9	79.4	81.1	83.9	86.8	87.5	89.9	90.9	91.3	92.5	94.0	94.8	95.7
GE 600	51.6	52.8	68.8	70.9	79.4	81.1	84.2	87.1	87.8	90.2	91.2	91.6	92.8	94.3	95.2	96.0
GE 500	51.6	52.8	68.8	70.9	79.4	81.1	84.2	87.1	87.8	90.2	91.3	91.7	92.9	94.4	95.3	96.3
GE 400	51.6	52.8	68.8	70.9	79.4	81.1	84.2	87.1	87.8	90.2	91.3	91.7	92.9	94.4	95.3	96.6
GE 300	51.6	52.8	68.8	70.9	79.4	81.1	84.2	87.1	87.8	90.2	91.4	91.8	93.1	94.6	95.8	97.2
GE 200	51.6	52.8	68.8	70.9	79.4	81.1	84.2	87.1	87.8	90.2	91.4	91.8	93.1	95.1	96.2	98.2
GE 100	51.6	52.8	68.8	70.9	79.4	81.1	84.2	87.1	87.8	90.3	91.5	91.9	93.2	95.2	96.3	99.4
GE 000	51.6	52.8	68.8	70.9	79.4	81.1	84.2	87.1	87.8	90.5	91.7	92.2	93.5	95.6	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.5	19.6	26.8	27.8	34.4	36.2	39.7	41.0	41.5	42.9	43.3	43.3	43.5	44.4	45.5	46.0
GE 20000	21.4	21.5	29.4	30.6	37.5	39.5	43.0	44.4	45.1	46.5	47.0	47.0	47.2	48.1	49.2	50.2
GE 18000	21.5	21.6	29.5	30.8	37.6	39.6	43.1	44.5	45.2	46.6	47.1	47.1	47.3	48.2	49.4	50.3
GE 16000	21.5	21.6	29.5	30.8	37.6	39.6	43.1	44.5	45.2	46.6	47.1	47.1	47.3	48.2	49.4	50.3
GE 14000	21.6	21.7	29.6	30.9	37.7	39.7	43.2	44.6	45.3	46.7	47.2	47.2	47.4	48.3	49.5	50.4
GE 12000	22.4	22.5	30.3	31.6	38.5	40.5	44.1	45.6	46.2	47.6	48.2	48.2	48.4	49.2	50.4	51.5
GE 10000	23.9	24.0	32.6	34.1	41.0	43.1	47.0	48.5	49.1	50.5	51.2	51.2	51.4	52.3	53.5	54.6
GE 9000	24.5	24.6	33.2	34.7	42.2	44.4	48.4	49.9	50.6	52.0	52.7	52.7	52.9	53.8	55.1	56.1
GE 8000	26.1	26.2	35.9	37.6	45.9	48.3	52.4	54.1	54.8	56.8	57.5	57.5	57.7	58.6	59.9	61.1
GE 7000	26.6	26.7	36.6	38.3	46.6	48.9	53.0	54.7	55.5	57.4	58.2	58.2	58.4	59.2	60.5	61.7
GE 6000	27.1	27.2	37.5	39.2	47.5	49.9	54.0	55.7	56.5	58.4	59.1	59.1	59.4	60.2	61.5	62.7
GE 5000	29.6	29.7	40.3	42.2	50.6	53.4	57.6	59.6	60.4	62.4	63.1	63.1	63.3	64.2	65.5	66.7
GE 4500	30.9	31.3	42.3	44.2	52.9	55.8	60.3	62.3	63.2	65.4	66.1	66.1	66.3	67.2	68.5	69.7
GE 4000	33.8	34.4	46.3	48.4	58.2	61.3	65.9	68.0	69.0	71.2	71.9	72.2	72.4	73.2	74.5	75.7
GE 3500	35.9	36.6	49.1	51.2	61.3	64.7	69.6	71.7	73.0	75.3	76.0	76.2	76.5	77.3	78.6	79.8
GE 3000	37.8	38.5	51.6	53.7	64.2	67.6	72.6	74.7	76.2	78.6	79.4	79.6	79.8	80.6	81.9	83.4
GE 2500	38.6	39.4	52.5	54.5	65.1	68.5	73.4	75.6	77.1	79.5	80.2	80.4	80.6	81.5	82.8	84.3
GE 2000	40.0	40.8	54.5	56.6	67.8	71.4	76.5	78.7	80.2	82.6	83.3	83.5	83.8	84.6	85.9	87.4
GE 1800	40.4	41.2	54.9	57.0	68.3	71.8	76.9	79.1	80.6	83.0	83.8	84.0	84.2	85.1	86.3	87.8
GE 1500	41.6	42.4	56.3	58.4	70.4	74.0	79.1	81.6	83.1	85.5	86.2	86.5	86.7	87.5	88.8	90.3
GE 1200	42.4	43.2	57.4	59.5	72.0	75.6	80.8	83.3	84.9	87.3	88.1	88.3	88.5	89.4	90.6	92.2
GE 1000	42.7	43.5	57.8	59.9	72.9	76.7	81.8	84.4	86.2	88.6	89.8	90.0	90.4	91.3	92.6	94.1
GE 900	42.8	43.7	58.1	60.2	73.4	77.2	82.4	84.9	86.9	89.2	90.4	90.6	91.1	91.9	93.2	94.7
GE 800	42.8	43.7	58.4	60.5	73.8	77.5	82.7	85.3	87.2	89.8	91.0	91.2	91.7	92.6	93.9	95.5
GE 700	42.8	43.7	58.6	60.8	74.2	78.0	83.1	85.7	87.6	90.2	91.4	91.6	92.2	93.0	94.3	95.9
GE 600	42.8	43.7	58.7	60.9	74.3	78.1	83.2	85.8	87.8	90.4	91.7	91.9	92.5	93.3	94.6	96.2
GE 500	42.8	43.7	58.7	60.9	74.3	78.1	83.4	86.0	88.1	90.6	91.9	92.2	92.7	93.5	94.8	96.6
GE 400	42.8	43.7	58.7	60.9	74.3	78.1	83.4	86.0	88.1	90.6	91.9	92.2	92.7	93.7	94.9	97.0
GE 300	42.8	43.7	58.7	60.9	74.3	78.1	83.4	86.0	88.1	90.6	91.9	92.2	92.7	93.8	95.3	97.4
GE 200	42.8	43.7	58.7	60.9	74.3	78.1	83.4	86.0	88.1	90.6	92.0	92.4	92.9	94.0	95.5	98.3
GE 100	42.8	43.7	58.7	60.9	74.3	78.1	83.4	86.0	88.1	90.6	92.0	92.4	92.9	94.1	96.3	99.9
GE 000	42.8	43.7	58.7	60.9	74.3	78.1	83.4	86.0	88.1	90.6	92.0	92.4	92.9	94.1	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.2	31.8	38.3	40.1	43.8	44.2	44.5	44.7	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9
GE 20000	34.4	35.3	42.3	44.2	48.1	48.6	48.9	49.2	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5
GE 18000	34.6	35.5	42.5	44.4	48.3	48.8	49.1	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7
GE 16000	34.6	35.5	42.5	44.4	48.3	48.8	49.1	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7
GE 14000	34.8	35.7	42.7	44.6	48.5	49.0	49.4	49.7	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9
GE 1200	35.6	36.5	43.4	45.4	49.5	50.0	50.3	50.6	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9
GE 10000	37.3	38.4	46.3	48.3	52.5	53.1	53.4	53.8	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1
GE 9000	38.6	39.8	47.8	50.0	54.3	54.9	55.3	55.6	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9
GE 8000	40.5	41.8	50.0	52.2	56.5	57.2	57.5	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3
GE 7000	41.4	42.8	51.4	53.5	58.1	58.8	59.1	59.6	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9
GE 6000	41.7	43.1	51.8	54.0	58.5	59.2	59.6	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3
GE 5000	43.7	45.1	54.2	56.5	61.3	62.2	62.6	63.0	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3
GE 4500	44.6	46.0	55.6	57.8	62.7	63.7	64.2	64.6	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9
GE 4000	50.6	52.2	62.6	64.9	70.5	71.8	72.6	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3
GE 3500	53.3	54.9	65.7	68.2	74.2	75.5	76.5	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2
GE 3000	58.1	59.9	71.3	73.9	80.4	81.8	83.3	83.9	84.0	84.2	84.2	84.3	84.4	84.4	84.4	84.4
GE 2500	59.5	61.3	72.7	75.3	82.2	83.7	85.2	86.0	86.1	86.3	86.3	86.5	86.6	86.6	86.6	86.6
GE 2000	61.5	63.3	75.5	78.1	85.1	86.9	88.4	89.4	89.6	89.8	89.8	89.9	90.0	90.0	90.0	90.0
GE 1800	61.6	63.4	75.6	78.2	85.2	87.0	88.5	89.6	89.9	90.1	90.1	90.2	90.3	90.3	90.3	90.3
GE 1500	63.7	65.5	78.1	81.0	88.6	90.9	92.4	93.4	93.8	94.0	94.0	94.1	94.2	94.2	94.2	94.2
GE 1200	64.5	66.3	79.8	83.0	90.9	93.4	94.9	96.0	96.3	96.6	96.6	96.7	96.8	96.8	96.8	96.8
GE 1000	64.7	66.6	80.0	83.7	91.6	94.3	95.9	97.0	97.3	97.6	97.6	97.7	98.0	98.0	98.0	98.0
GE 900	64.7	66.6	80.0	83.7	91.7	94.4	96.0	97.1	97.4	97.7	97.7	97.8	98.1	98.1	98.1	98.1
GE 800	64.7	66.6	80.1	83.8	92.3	94.9	96.7	97.7	98.1	98.6	98.6	98.7	98.9	98.9	98.9	98.9
GE 700	64.7	66.6	80.1	83.8	92.3	94.9	96.7	97.7	98.1	98.6	98.6	98.7	98.9	98.9	98.9	98.9
GE 600	64.7	66.6	80.1	83.8	92.3	94.9	96.7	98.0	98.3	98.8	98.8	98.9	99.1	99.1	99.1	99.1
GE 500	64.7	66.6	80.1	83.8	92.3	94.9	96.7	98.0	98.3	99.0	99.0	99.1	99.5	99.5	99.5	99.5
GE 400	64.7	66.6	80.1	83.8	92.3	94.9	96.7	98.0	98.3	99.0	99.0	99.1	99.5	99.5	99.6	99.6
GE 300	64.7	66.6	80.1	83.8	92.3	94.9	96.7	98.0	98.3	99.0	99.1	99.2	99.6	99.6	99.7	99.7
GE 200	64.7	66.6	80.1	83.8	92.3	94.9	96.7	98.0	98.3	99.0	99.2	99.4	99.7	99.7	99.8	99.8
GE 100	64.7	66.6	80.1	83.8	92.3	94.9	96.7	98.0	98.3	99.0	99.2	99.5	99.8	99.8	99.9	99.9
GE 000	64.7	66.6	80.1	83.8	92.3	94.9	96.7	98.0	98.3	99.0	99.2	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.5	35.8	38.8	39.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 20000	42.2	43.5	46.7	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000	42.6	44.0	47.1	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 16000	42.8	44.2	47.3	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 14000	43.1	44.5	47.6	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 12000	43.9	45.3	48.4	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 10000	45.6	47.1	51.0	51.2	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 9000	46.6	48.3	52.2	52.4	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 8000	49.5	51.2	55.1	55.3	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 7000	50.3	52.0	56.1	56.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 6000	50.8	52.5	56.6	56.8	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 5000	54.4	56.1	60.4	60.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 4500	59.0	61.2	65.7	66.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 4000	65.2	67.6	72.8	73.3	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3500	70.1	72.9	78.6	79.1	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3000	78.2	81.2	88.0	88.7	91.0	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2500	79.4	82.5	89.4	90.1	92.7	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2000	81.4	84.6	91.7	92.6	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	81.5	84.7	91.8	92.7	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	82.0	85.3	92.5	94.0	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	82.3	85.5	92.7	94.4	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	82.8	86.0	93.2	94.9	99.0	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	82.8	86.0	93.2	94.9	99.0	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	82.8	86.0	93.2	94.9	99.0	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.8	86.0	93.2	95.1	99.1	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.4	35.7	37.6	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 20000	41.9	43.8	45.7	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 18000	42.0	44.0	45.9	46.2	46.3	46.3	46.3	4.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 16000	42.2	44.1	46.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 14000	42.5	44.4	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 12000	43.7	45.7	47.6	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 10000	47.6	49.8	51.8	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 9000	49.2	51.5	53.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 8000	53.3	55.7	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 7000	55.1	57.4	60.1	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 6000	55.9	58.3	61.1	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 5000	60.5	62.9	65.9	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4500	68.4	70.8	73.8	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 4000	74.0	76.7	80.1	80.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 3500	78.2	81.1	85.1	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 3000	84.3	87.6	91.9	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	85.1	88.4	92.8	93.5	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	86.0	89.4	94.1	94.8	96.6	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	86.3	89.7	94.5	95.3	97.1	97.1	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	86.9	90.2	95.1	95.8	98.4	98.5	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	86.9	90.2	95.2	95.9	98.6	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.2	90.5	95.8	96.6	99.4	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 15	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.7	44.3	46.2	46.8	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 20000	50.0	52.0	54.3	54.8	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 18000	50.2	52.3	54.5	55.1	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 16000	50.2	52.3	54.5	55.1	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 14000	50.3	52.4	54.6	55.2	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	51.6	53.7	55.9	56.5	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	54.7	57.2	59.6	60.1	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 9000	56.7	59.4	61.9	62.5	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 8000	62.0	65.1	67.8	68.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 7000	63.2	66.2	69.5	70.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 6000	63.8	66.8	70.0	70.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 5000	66.7	69.7	73.4	74.1	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 4500	70.8	74.3	78.8	79.6	80.9	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4000	74.6	78.4	83.2	84.0	85.5	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500	78.5	82.4	87.4	88.2	89.9	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 3000	81.4	85.7	91.1	91.9	94.1	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	82.2	86.6	92.2	93.0	95.5	95.8	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	83.0	87.5	93.5	94.4	97.0	97.3	97.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	83.1	87.6	93.7	94.5	97.1	97.4	97.5	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	83.4	88.0	94.1	94.9	97.8	98.5	98.7	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	83.4	88.0	94.1	94.9	97.8	98.6	98.8	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	83.5	88.1	94.2	95.1	98.0	98.7	98.9	98.9	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	83.5	88.1	94.2	95.1	98.0	98.7	98.9	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	83.7	88.2	94.4	95.3	98.2	98.9	99.1	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	83.7	88.2	94.4	95.3	98.2	98.9	99.1	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	83.7	88.2	94.4	95.3	98.2	98.9	99.1	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	83.7	88.2	94.5	95.4	98.3	99.0	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	83.7	88.2	94.5	95.4	98.3	99.0	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	83.7	88.2	94.5	95.4	98.3	99.0	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.7	88.2	94.5	95.4	98.3	99.0	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	83.7	88.2	94.5	95.4	98.3	99.0	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	83.7	88.2	94.5	95.4	98.3	99.0	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	45.6	47.6	52.3	52.6	54.5	55.1	55.5	55.6	55.7	55.9	55.9	55.9	55.9	56.2	56.2	56.3
GE 20000	50.9	53.0	57.6	58.0	60.0	60.6	61.2	61.3	61.4	61.6	61.6	61.6	61.6	61.9	61.9	62.0
GE 18000	51.0	53.1	57.7	58.1	60.1	60.8	61.3	61.4	61.5	61.7	61.7	61.7	61.7	62.0	62.0	62.2
GE 16000	51.0	53.1	57.7	58.1	60.1	60.8	61.3	61.4	61.5	61.7	61.7	61.7	61.7	62.0	62.0	62.2
GE 14000	51.0	53.1	57.7	58.1	60.1	60.8	61.3	61.4	61.5	61.7	61.7	61.7	61.7	62.0	62.0	62.2
GE 12000	51.5	53.7	58.4	58.7	60.8	61.4	61.9	62.0	62.2	62.4	62.4	62.4	62.4	62.7	62.7	62.8
GE 10000	54.1	56.2	61.0	61.3	63.3	64.0	64.7	64.8	64.9	65.2	65.2	65.2	65.2	65.5	65.5	65.6
GE 9000	55.3	57.4	62.4	62.7	64.7	65.4	66.1	66.2	66.3	66.6	66.6	66.6	66.6	66.9	67.0	67.2
GE 8000	59.1	61.4	66.9	67.2	69.4	70.0	70.8	70.9	71.0	71.2	71.2	71.2	71.2	71.5	71.6	71.8
GE 7000	61.0	63.3	69.1	69.5	71.9	72.7	73.4	73.5	73.7	73.9	73.9	73.9	73.9	74.2	74.3	74.5
GE 6000	61.1	63.4	69.2	69.6	72.0	72.8	73.5	73.7	73.8	74.0	74.0	74.0	74.0	74.3	74.4	74.6
GE 5000	64.1	66.6	72.7	73.1	75.6	76.3	77.3	77.4	77.5	77.7	77.7	77.7	77.7	78.1	78.2	78.4
GE 4500	68.7	71.3	77.7	78.2	81.0	81.7	82.7	82.8	82.9	83.1	83.2	83.2	83.2	83.5	83.7	83.9
GE 4000	72.4	75.2	82.3	82.8	85.7	86.5	87.4	87.5	87.6	87.8	88.0	88.0	88.0	88.3	88.4	88.6
GE 3500	74.2	77.1	84.3	84.8	88.1	88.8	89.8	89.9	90.0	90.2	90.3	90.3	90.3	90.6	90.8	91.0
GE 3000	77.5	80.5	88.0	88.6	92.2	93.1	94.3	94.5	94.6	94.8	94.9	94.9	94.9	95.3	95.4	95.6
GE 2500	78.4	81.4	88.9	89.6	93.2	94.2	95.4	95.6	95.7	95.9	96.0	96.0	96.0	96.3	96.5	96.7
GE 2000	79.1	82.2	89.9	90.5	94.3	95.3	96.5	96.7	96.8	97.0	97.1	97.1	97.1	97.4	97.5	97.7
GE 1800	79.2	82.3	90.0	90.6	94.4	95.4	96.6	96.8	96.9	97.1	97.2	97.2	97.2	97.5	97.6	97.8
GE 1500	79.5	82.5	90.2	90.9	94.9	95.9	97.3	97.5	97.8	98.1	98.2	98.2	98.2	98.5	98.6	98.8
GE 1200	79.5	82.5	90.2	90.9	95.1	96.0	97.4	97.6	98.0	98.2	98.3	98.3	98.3	98.6	98.7	98.9
GE 1000	79.5	82.5	90.2	90.9	95.1	96.0	97.4	97.6	98.0	98.2	98.6	98.6	98.6	98.9	99.0	99.2
GE 900	79.5	82.5	90.2	90.9	95.1	96.0	97.4	97.6	98.1	98.3	98.7	98.7	98.7	99.0	99.1	99.4
GE 800	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 700	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 600	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 500	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 400	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 300	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 200	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 100	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.4	99.5	99.7
GE 000	79.5	82.5	90.5	91.2	95.4	96.3	97.7	98.0	98.4	98.6	99.0	99.0	99.0	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.9	36.1	41.4	42.4	45.0	45.6	46.5	47.0	47.2	47.6	47.8	47.8	48.0	48.5	48.7	49.0
GE 20000	39.4	40.7	46.4	47.4	50.2	50.9	51.7	52.3	52.5	52.9	53.1	53.2	53.3	53.8	54.1	54.4
GE 18000	39.6	40.9	46.6	47.5	50.4	51.1	51.9	52.5	52.7	53.1	53.3	53.4	53.5	54.0	54.3	54.6
GE 16000	39.6	40.9	46.6	47.6	50.4	51.1	52.0	52.5	52.7	53.1	53.4	53.4	53.6	54.0	54.4	54.7
GE 14000	39.7	41.1	46.7	47.7	50.6	51.3	52.1	52.6	52.8	53.3	53.5	53.6	53.7	54.2	54.5	54.8
GE 12000	40.5	41.9	47.6	48.6	51.5	52.1	53.0	53.6	53.8	54.2	54.4	54.5	54.6	55.1	55.4	55.8
GE 10000	42.8	44.3	50.4	51.4	54.4	55.2	56.1	56.7	56.8	57.3	57.5	57.6	57.7	58.2	58.6	58.9
GE 9000	43.9	45.5	51.7	52.7	55.9	56.7	57.6	58.2	58.4	58.8	59.1	59.1	59.3	59.8	60.1	60.5
GE 8000	47.0	48.7	55.3	56.4	59.7	60.5	61.5	62.1	62.3	62.8	63.1	63.1	63.3	63.8	64.2	64.5
GE 7000	48.2	49.9	56.8	57.9	61.3	62.1	63.1	63.7	63.9	64.4	64.7	64.7	64.9	65.4	65.8	66.1
GE 6000	48.6	50.3	57.3	58.3	61.7	62.6	63.5	64.1	64.3	64.9	65.1	65.2	65.3	65.8	66.2	66.6
GE 5000	51.4	53.2	60.4	61.6	65.1	66.1	67.1	67.8	68.0	68.5	68.8	68.8	69.0	69.5	69.9	70.2
GE 4500	55.0	57.0	64.6	65.8	69.5	70.4	71.6	72.2	72.5	73.1	73.4	73.4	73.6	74.1	74.5	74.8
GE 4000	59.6	61.7	70.0	71.3	75.4	76.4	77.7	78.3	78.6	79.2	79.5	79.6	79.8	80.3	80.7	81.1
GE 3500	62.4	64.7	73.4	74.7	79.0	80.1	81.4	82.1	82.4	83.0	83.3	83.4	83.6	84.1	84.5	84.9
GE 3000	66.3	68.8	78.0	79.4	84.2	85.4	86.8	87.7	88.0	88.7	89.0	89.1	89.2	89.8	90.2	90.6
GE 2500	67.1	69.6	78.8	80.3	85.2	86.4	87.9	88.8	89.1	89.8	90.1	90.2	90.4	90.9	91.3	91.8
GE 2000	68.3	70.9	80.6	82.0	87.3	88.5	90.0	90.9	91.3	92.0	92.3	92.4	92.6	93.1	93.5	94.0
GE 1800	68.5	71.0	80.8	82.2	87.5	88.7	90.2	91.2	91.5	92.3	92.6	92.7	92.8	93.4	93.8	94.2
GE 1500	69.3	71.9	81.8	83.5	89.2	90.6	92.2	93.2	93.6	94.4	94.7	94.8	94.9	95.5	95.9	96.3
GE 1200	69.7	72.2	82.3	84.0	90.0	91.4	93.0	94.0	94.5	95.2	95.6	95.7	95.8	96.4	96.8	97.2
GE 1000	69.9	72.4	82.6	84.3	90.4	91.9	93.5	94.5	95.0	95.8	96.3	96.4	96.7	97.2	97.6	98.1
GE 900	69.9	72.4	82.6	84.4	90.5	91.9	93.6	94.6	95.2	96.0	96.5	96.6	96.8	97.4	97.8	98.2
GE 800	69.9	72.4	82.8	84.5	90.7	92.2	93.8	94.9	95.4	96.3	96.8	96.9	97.1	97.7	98.1	98.5
GE 700	69.9	72.4	82.8	84.6	90.7	92.2	93.8	94.9	95.5	96.3	96.8	96.9	97.2	97.8	98.1	98.6
GE 600	69.9	72.4	82.8	84.6	90.8	92.2	93.9	95.0	95.6	96.5	97.0	97.1	97.3	97.9	98.3	98.7
GE 500	69.9	72.4	82.8	84.6	90.8	92.2	94.0	95.1	95.6	96.5	97.0	97.1	97.4	98.0	98.4	98.9
GE 400	69.9	72.4	82.8	84.6	90.8	92.3	94.0	95.1	95.6	96.5	97.1	97.2	97.4	98.0	98.4	99.0
GE 300	69.9	72.4	82.8	84.6	90.8	92.3	94.0	95.1	95.6	96.5	97.1	97.2	97.5	98.1	98.5	99.1
GE 200	69.9	72.4	82.8	84.6	90.8	92.3	94.0	95.1	95.6	96.5	97.1	97.2	97.5	98.2	98.6	99.4
GE 100	69.9	72.4	82.8	84.6	90.8	92.3	94.0	95.1	95.6	96.6	97.1	97.2	97.6	98.2	98.8	99.8
GE 000	69.9	72.4	82.8	84.6	90.8	92.3	94.0	95.1	95.6	96.6	97.2	97.3	97.6	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAE: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.4	31.7	40.6	41.7	45.3	46.3	48.2	49.0	49.9	.0	51.6	51.6	51.7	52.0	52.4	52.6
GE 20000	32.6	33.8	43.2	44.3	48.3	49.4	51.4	52.3	53.2	54.3	55.0	55.0	55.1	55.4	55.9	56.1
GE 18000	32.6	33.8	43.2	44.3	48.3	49.4	51.4	52.3	53.2	54.3	55.0	55.0	55.1	55.4	55.9	56.1
GE 16000	32.6	33.8	43.2	44.3	48.3	49.4	51.4	52.3	53.2	54.3	55.0	55.0	55.1	55.4	55.9	56.1
GE 14000	32.8	34.0	43.4	44.6	48.6	49.7	51.7	52.6	53.4	54.6	55.2	55.2	55.3	55.7	56.1	56.3
GE 12000	32.9	34.1	43.6	44.7	48.7	49.8	52.0	52.9	53.8	54.9	55.6	55.6	55.7	56.0	56.4	56.7
GE 10000	34.8	36.0	45.4	46.7	50.9	52.0	54.2	55.1	56.0	57.1	57.8	57.8	58.0	58.3	58.8	59.0
GE 9000	35.4	36.7	46.1	47.3	51.6	52.7	54.9	55.8	56.7	57.8	58.4	58.4	58.7	59.0	59.4	59.7
GE 8000	38.3	39.7	49.3	50.6	54.8	55.9	58.1	59.0	59.9	61.0	61.7	61.7	61.9	62.2	62.7	63.0
GE 7000	39.0	40.3	50.1	51.3	55.6	56.7	58.9	59.8	60.7	61.8	62.4	62.4	62.7	63.0	63.4	63.8
GE 6000	39.7	41.0	50.9	52.1	56.6	57.7	59.9	60.8	61.7	62.8	63.4	63.4	63.7	64.0	64.4	64.8
GE 5000	42.7	44.1	54.9	56.1	60.8	62.7	65.1	66.1	67.0	68.1	68.8	68.8	69.0	69.3	69.8	70.1
GE 4500	45.3	46.8	57.9	59.1	63.8	65.7	68.1	69.2	70.1	71.3	72.0	72.0	72.2	72.6	73.0	73.3
GE 4000	49.4	51.2	62.7	64.0	69.2	71.1	73.6	74.9	75.8	77.0	77.7	77.7	77.9	78.2	78.7	79.0
GE 3500	52.2	54.0	66.0	67.3	73.2	75.1	77.6	78.9	79.8	81.0	81.7	81.7	81.9	82.2	82.7	83.0
GE 3000	55.1	56.9	69.7	71.2	77.4	79.3	81.8	83.2	84.1	85.3	86.0	86.0	86.2	86.6	87.0	87.3
GE 2500	56.7	58.4	71.8	73.3	79.6	81.6	84.0	85.6	86.4	87.7	88.3	88.3	88.6	88.9	89.3	89.7
GE 2000	57.6	59.6	73.1	74.9	81.1	83.1	86.0	87.8	88.7	89.9	90.6	90.6	90.8	91.1	91.6	91.9
GE 1800	57.7	59.7	73.2	75.0	81.2	83.2	86.1	87.9	88.8	90.0	90.7	90.7	90.9	91.2	91.7	92.0
GE 1500	58.3	60.3	74.0	75.9	82.2	84.3	87.2	89.1	90.1	91.3	92.0	92.0	92.2	92.7	93.1	93.4
GE 1200	58.9	60.9	75.0	77.0	83.6	85.7	88.6	90.4	91.6	92.8	93.4	93.4	93.7	94.2	94.7	95.0
GE 1000	59.1	61.1	75.4	77.8	84.6	86.8	89.7	91.6	92.7	94.0	94.7	94.7	94.9	95.4	95.9	96.2
GE 900	59.1	61.1	75.6	77.9	84.7	86.9	89.8	91.7	92.8	94.1	95.0	95.0	95.2	95.8	96.2	96.6
GE 800	59.1	61.1	75.7	78.0	85.0	87.2	90.1	92.0	93.1	94.4	95.3	95.3	95.6	96.1	96.6	96.9
GE 700	59.1	61.1	75.7	78.0	85.1	87.3	90.2	92.1	93.2	94.6	95.5	95.4	95.7	96.2	96.7	97.0
GE 600	59.2	61.2	75.8	78.1	85.3	87.6	90.4	92.3	93.4	94.8	95.7	95.7	95.9	96.4	96.9	97.2
GE 500	59.3	61.3	75.9	78.2	85.4	87.7	90.6	92.4	93.6	94.9	95.8	95.9	96.1	96.7	97.1	97.8
GE 400	59.3	61.3	75.9	78.2	85.4	87.7	90.6	92.4	93.6	94.9	95.8	95.9	96.1	96.7	97.1	97.8
GE 300	59.3	61.3	75.9	78.2	85.6	87.8	90.7	92.6	93.7	95.1	96.0	96.1	96.3	96.9	97.3	98.0
GE 200	59.3	61.3	75.9	78.2	85.6	87.8	90.7	92.6	93.7	95.1	96.1	96.2	96.4	97.2	97.8	98.4
GE 100	59.3	61.3	75.9	78.2	85.6	87.8	90.7	92.6	93.7	95.1	96.1	96.2	96.4	97.2	97.8	99.0
GE 000	59.3	61.3	75.9	78.2	85.6	87.8	90.7	92.6	93.7	95.1	96.1	96.2	96.7	97.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.1	22.6	29.1	30.2	34.4	35.4	36.4	37.8	38.1	40.7	42.2	42.6	43.9	44.9	46.0	46.2
GE 20000	23.1	23.7	30.6	31.7	36.1	37.4	38.6	39.9	40.2	42.9	44.6	44.9	46.4	47.4	48.6	48.9
GE 18000	23.1	23.7	30.6	31.7	36.1	37.4	38.6	39.9	40.2	42.9	44.6	44.9	46.4	47.4	48.6	48.9
GE 16000	23.1	23.7	30.6	31.7	36.1	37.4	38.6	39.9	40.2	42.9	44.6	44.9	46.4	47.4	48.6	48.9
GE 14000	23.1	23.7	30.6	31.7	36.1	37.4	38.6	39.9	40.2	42.9	44.6	44.9	46.4	47.4	48.6	48.9
GE 12000	23.1	23.7	30.6	31.7	36.1	37.4	38.8	40.2	40.6	43.2	44.9	45.2	46.8	47.9	49.0	49.4
GE 10000	24.6	25.1	32.0	33.1	37.6	38.9	40.2	41.9	42.2	45.1	46.8	47.1	48.8	49.9	51.0	51.4
GE 9000	25.2	25.8	32.7	33.8	38.3	39.7	41.0	42.7	43.0	45.9	47.6	47.9	49.6	50.7	51.8	52.2
GE 8000	27.4	28.0	36.0	37.1	41.9	43.2	44.6	46.2	46.6	49.4	51.1	51.4	53.1	54.2	55.3	55.8
GE 7000	27.6	28.1	36.2	37.3	42.1	43.4	44.8	46.4	46.8	49.7	51.3	51.7	53.3	54.4	55.6	56.0
GE 6000	27.6	28.1	36.2	37.3	42.1	43.4	44.8	46.4	46.8	49.7	51.3	51.7	53.3	54.4	55.6	56.0
GE 5000	31.1	31.8	40.6	41.8	46.9	48.3	49.9	51.6	51.9	54.8	56.4	56.8	58.4	59.6	60.7	61.1
GE 4500	33.3	34.1	43.6	44.8	49.9	51.3	53.0	54.7	55.0	58.2	59.9	60.2	61.9	63.0	64.1	64.6
GE 4000	37.1	38.1	47.8	49.2	55.1	57.0	58.7	60.3	60.7	63.9	65.7	66.0	67.7	68.8	69.9	70.3
GE 3500	40.3	41.3	51.7	53.3	59.8	61.7	63.3	65.0	65.3	68.6	70.3	70.7	72.3	73.4	74.6	75.0
GE 3000	42.9	44.0	55.4	57.2	64.1	66.0	67.7	69.3	69.8	73.0	74.9	75.2	76.9	78.0	79.1	79.6
GE 2500	44.6	45.8	58.0	60.0	66.9	68.8	70.4	72.4	72.9	76.3	78.2	78.6	80.2	81.3	82.4	82.9
GE 2000	45.8	47.0	59.4	61.4	68.9	70.8	72.6	74.7	75.3	78.9	80.8	81.1	82.8	83.9	85.0	85.4
GE 1800	46.0	47.2	59.8	61.9	69.3	71.2	73.0	75.1	75.8	79.3	81.2	81.6	83.2	84.3	85.4	85.9
GE 1500	47.3	48.8	61.6	63.7	71.6	73.4	75.2	77.7	78.3	81.9	83.8	84.1	85.8	86.9	88.0	88.4
GE 1200	47.6	49.0	62.3	64.4	72.7	74.7	76.6	79.0	79.8	83.3	85.2	85.6	87.2	88.3	89.4	89.9
GE 1000	47.6	49.0	62.6	64.7	73.7	75.7	77.6	80.0	81.0	84.6	86.4	86.8	88.4	89.6	90.7	91.1
GE 900	47.6	49.0	62.6	64.7	73.7	75.7	77.6	80.0	81.0	84.6	86.4	86.8	88.4	89.6	90.7	91.1
GE 800	47.6	49.0	62.9	65.0	74.0	76.0	77.9	80.3	81.3	84.9	86.8	87.1	88.8	89.9	91.0	91.8
GE 700	47.7	49.1	63.0	65.1	74.1	76.1	78.0	80.4	81.4	85.0	86.9	87.2	88.9	90.0	91.1	91.9
GE 600	47.7	49.1	63.0	65.2	74.4	76.6	78.6	81.0	82.0	85.6	87.4	87.8	89.4	90.7	91.8	92.6
GE 500	47.7	49.1	63.0	65.2	74.4	76.6	78.6	81.1	82.2	85.8	87.7	88.0	90.0	91.2	92.3	93.4
GE 400	47.7	49.1	63.0	65.2	74.4	76.6	78.6	81.1	82.2	85.8	87.7	88.0	90.0	91.2	92.3	93.9
GE 300	47.7	49.1	63.0	65.2	74.4	76.6	78.6	81.2	82.4	86.0	88.1	88.4	90.4	91.8	93.0	94.7
GE 200	47.7	49.1	63.0	65.2	74.4	76.6	78.7	81.3	82.6	86.1	88.2	88.6	90.6	91.9	93.7	95.9
GE 100	47.7	49.1	63.0	65.2	74.4	76.6	78.7	81.3	82.6	86.2	88.3	88.7	90.7	92.1	94.3	98.3
GE 000	47.7	49.1	63.0	65.2	74.4	76.6	78.7	81.3	82.6	86.2	88.3	88.7	90.8	92.2	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.4	12.8	18.1	19.9	26.4	27.7	29.7	31.1	31.3	32.9	33.6	34.2	34.9	35.3	36.1	37.6
GE 20000	14.3	14.7	20.9	22.9	30.1	31.4	33.6	35.3	35.6	37.2	38.0	38.9	39.7	40.2	41.1	42.9
GE 18000	14.3	14.7	20.9	22.9	30.1	31.4	33.6	35.3	35.6	37.2	38.0	38.9	39.7	40.2	41.1	42.9
GE 16000	14.3	14.7	20.9	22.9	30.1	31.4	33.6	35.3	35.6	37.2	38.0	38.9	39.7	40.2	41.1	42.9
GE 14000	14.3	14.7	20.9	22.9	30.1	31.4	33.6	35.3	35.6	37.2	38.0	38.9	39.7	40.2	41.1	43.0
GE 12000	14.4	14.8	21.0	23.0	30.2	31.6	33.8	35.6	35.8	37.6	38.3	39.2	40.0	40.6	41.4	43.3
GE 10000	15.7	16.0	22.8	24.9	32.2	33.7	36.1	37.9	38.1	40.0	41.1	42.0	42.8	43.3	44.2	46.2
GE 9000	17.1	17.4	24.4	26.9	34.3	35.8	38.2	40.0	40.2	42.1	43.2	44.1	44.9	45.4	46.3	48.3
GE 8000	19.2	19.7	27.3	29.8	37.3	39.0	41.6	43.3	43.6	45.4	46.6	47.4	48.2	48.8	49.7	51.7
GE 7000	19.6	20.0	27.8	30.3	37.9	39.6	42.1	43.9	44.1	46.0	47.1	48.0	48.8	49.3	50.2	52.2
GE 6000	19.8	20.2	28.0	30.7	38.4	40.1	42.7	44.4	44.7	46.6	47.7	48.6	49.4	50.0	50.9	52.9
GE 5000	21.4	22.0	30.1	33.1	41.6	43.2	45.8	47.8	48.0	50.1	51.2	52.1	53.0	53.6	54.6	56.6
GE 4500	23.3	23.9	32.7	35.9	44.4	46.3	49.1	51.2	51.4	53.6	54.7	55.7	56.6	57.1	58.1	60.1
GE 4000	26.1	26.8	36.7	39.9	49.1	51.7	54.7	57.0	57.2	59.4	60.6	61.6	62.4	63.0	64.0	66.0
GE 3500	27.3	28.0	38.6	41.9	51.1	53.7	56.7	59.2	59.6	61.8	62.9	63.9	64.8	65.3	66.3	68.3
GE 3000	30.7	31.4	42.4	45.9	55.8	58.6	61.8	64.7	65.1	67.4	68.6	69.6	70.4	71.0	72.0	74.0
GE 2500	32.0	33.0	44.0	47.4	57.6	60.4	64.0	66.9	67.3	69.7	70.8	71.8	72.7	73.2	74.2	76.3
GE 2000	34.2	35.2	46.4	49.9	60.7	63.8	67.6	70.6	71.1	73.4	74.6	75.6	76.4	77.0	78.0	80.1
GE 1800	34.3	35.3	46.8	50.2	61.0	64.1	67.9	70.9	71.4	73.8	74.9	75.9	76.8	77.3	78.3	80.4
GE 1500	35.4	36.4	48.7	52.2	63.8	67.0	70.9	74.0	74.6	76.9	78.1	79.1	80.0	80.6	81.6	83.7
GE 1200	36.0	37.0	49.7	53.3	65.2	68.4	72.4	75.8	76.3	78.8	80.0	81.0	81.9	82.4	83.4	85.6
GE 1000	36.2	37.2	49.9	53.6	65.9	69.1	73.3	76.7	77.2	79.9	81.1	82.1	83.0	83.6	84.7	86.8
GE 900	36.2	37.2	49.9	53.6	65.9	69.1	73.3	76.7	77.3	80.0	81.2	82.2	83.1	83.7	84.8	87.1
GE 800	36.3	37.3	50.0	53.7	66.0	69.2	73.4	76.8	77.6	80.2	81.4	82.4	83.3	83.9	85.0	87.4
GE 700	36.4	37.4	50.1	53.8	66.2	69.6	74.1	77.4	78.2	80.9	82.1	83.1	84.0	84.6	85.7	88.2
GE 600	36.4	37.4	50.2	54.0	66.6	69.9	74.4	77.8	78.6	81.2	82.4	83.4	84.3	84.9	86.0	88.6
GE 500	36.4	37.4	50.2	54.0	66.7	70.0	74.7	78.0	78.8	81.6	82.8	83.8	84.7	85.2	86.4	89.4
GE 400	36.4	37.4	50.2	54.0	66.7	70.0	74.7	78.0	78.8	81.7	83.0	84.0	84.9	85.6	86.8	90.4
GE 300	36.4	37.4	50.2	54.0	66.7	70.0	74.7	78.0	78.8	81.7	83.0	84.0	84.9	85.8	87.1	91.6
GE 200	36.4	37.4	50.2	54.0	66.7	70.0	74.7	78.0	78.8	81.7	83.0	84.0	85.1	86.1	88.8	94.6
GE 100	36.4	37.4	50.2	54.0	66.7	70.0	74.7	78.0	78.8	81.7	83.1	84.1	85.2	86.2	89.0	97.7
GE 000	36.4	37.4	50.2	54.0	66.7	70.0	74.7	78.0	78.8	81.7	83.1	84.1	85.2	86.2	90.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.7	26.1	32.3	33.6	37.6	38.4	39.4	40.9	41.2	42.0	42.0	42.1	42.3	42.4	42.7	42.7
GE 20000	29.0	29.4	36.2	37.6	42.0	43.0	44.2	46.0	46.7	47.6	47.6	47.8	48.0	48.1	48.3	48.3
GE 18000	29.0	29.4	36.2	37.6	42.0	43.0	44.2	46.0	46.7	47.6	47.6	47.8	48.0	48.1	48.3	48.3
GE 16000	29.0	29.4	36.2	37.6	42.0	43.0	44.2	46.0	46.7	47.6	47.6	47.8	48.0	48.1	48.3	48.3
GE 14000	29.0	29.4	36.2	37.6	42.0	43.0	44.2	46.0	46.7	47.6	47.6	47.8	48.0	48.1	48.3	48.3
GE 12000	29.1	29.6	36.3	37.7	42.1	43.1	44.3	46.2	46.9	47.8	47.8	48.0	48.2	48.3	48.6	48.6
GE 10000	31.4	31.9	39.1	40.7	45.3	46.3	47.7	49.6	50.3	51.2	51.2	51.4	51.7	51.8	52.0	52.0
GE 9000	31.9	32.3	39.9	41.4	46.1	47.1	48.4	50.3	51.1	52.0	52.0	52.2	52.4	52.6	52.8	52.8
GE 8000	33.8	34.2	41.8	43.6	48.7	49.9	51.3	53.3	54.1	55.0	55.0	55.2	55.4	55.6	55.8	55.8
GE 7000	34.3	34.9	42.8	44.6	49.7	51.1	52.6	54.6	55.3	56.2	56.2	56.4	56.7	56.8	57.0	57.0
GE 6000	34.8	35.3	43.4	45.3	50.7	52.1	53.6	55.6	56.3	57.2	57.2	57.4	57.7	57.8	58.0	58.0
GE 5000	36.0	36.6	45.2	47.2	53.1	54.8	56.2	58.2	59.2	60.2	60.3	60.6	60.8	60.9	61.1	61.1
GE 4500	37.3	37.9	46.9	48.9	54.8	56.4	57.9	59.9	60.9	61.9	62.0	62.2	62.4	62.6	62.8	62.8
GE 4000	40.4	41.1	50.9	53.0	59.1	60.9	62.7	64.8	65.8	66.8	66.9	67.1	67.3	67.4	67.7	67.7
GE 3500	43.4	44.1	54.3	56.4	62.8	64.6	66.3	68.4	69.4	70.4	70.6	70.8	71.0	71.2	71.4	71.4
GE 3000	50.9	52.0	64.1	66.8	74.1	76.2	78.2	80.4	81.4	82.4	82.6	82.8	83.0	83.2	83.4	83.4
GE 2500	51.8	52.9	65.4	68.6	76.2	78.4	80.6	82.8	83.8	84.8	84.9	85.1	85.3	85.6	85.8	85.8
GE 2000	53.6	54.7	67.8	71.0	79.2	81.4	83.6	85.8	86.8	87.9	88.0	88.2	88.4	88.7	88.9	88.9
GE 1800	54.1	55.2	68.3	71.6	79.8	82.0	84.2	86.4	87.4	88.6	88.7	88.9	89.1	89.3	89.6	89.6
GE 1500	55.4	56.6	71.0	74.4	83.3	85.7	88.0	90.3	91.7	92.8	92.9	93.1	93.3	93.6	93.8	93.8
GE 1200	55.9	57.0	71.6	75.2	84.2	86.7	89.0	91.3	92.7	93.8	93.9	94.1	94.3	94.6	94.8	94.8
GE 1000	55.9	57.0	71.8	75.4	84.6	87.0	89.6	92.1	93.4	94.6	94.7	94.9	95.2	95.4	95.7	95.7
GE 900	55.9	57.0	71.8	75.6	84.7	87.1	89.7	92.2	93.6	94.7	94.8	95.0	95.3	95.6	95.8	95.8
GE 800	55.9	57.0	71.8	75.6	84.7	87.1	89.9	92.4	93.8	94.9	95.0	95.2	95.6	95.8	96.0	96.0
GE 700	55.9	57.0	71.8	75.6	84.8	87.2	90.1	92.8	94.1	95.2	95.3	95.6	95.9	96.1	96.3	96.3
GE 600	55.9	57.0	71.8	75.7	84.9	87.3	90.3	93.0	94.6	95.7	95.8	96.0	96.3	96.6	96.8	96.9
GE 500	56.0	57.1	71.9	75.9	85.1	87.6	90.6	93.2	94.8	96.2	96.6	97.0	97.3	97.6	97.8	97.9
GE 400	56.0	57.1	71.9	75.9	85.1	87.6	90.6	93.2	94.8	96.2	96.6	97.0	97.3	97.6	97.9	98.1
GE 300	56.0	57.1	71.9	75.9	85.1	87.6	90.6	93.3	94.9	96.4	96.9	97.3	97.7	97.9	98.2	98.6
GE 200	56.0	57.1	71.9	75.9	85.1	87.6	90.6	93.3	94.9	96.4	96.9	97.3	97.7	97.9	98.3	98.8
GE 100	56.0	57.1	71.9	75.9	85.1	87.6	90.6	93.3	94.9	96.4	96.9	97.3	97.7	98.0	98.6	99.2
GE 000	56.0	57.1	71.9	75.9	85.1	87.6	90.6	93.3	94.9	96.4	96.9	97.4	97.9	98.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.0	37.6	40.6	41.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 20000	43.1	43.8	47.2	48.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 18000	43.3	44.1	47.6	48.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 16000	43.3	44.1	47.6	48.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 14000	43.6	44.3	47.8	48.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 12000	43.8	44.6	48.0	48.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 10000	45.7	46.4	50.4	51.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 9000	46.1	46.9	50.9	51.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 8000	48.7	49.6	54.0	54.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 7000	49.3	50.3	54.9	55.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 6000	50.4	51.4	56.0	56.9	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 5000	52.7	53.8	59.0	60.3	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 4500	54.3	55.6	61.1	62.4	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4000	58.9	60.2	66.4	67.8	70.7	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500	64.1	65.6	72.8	74.2	77.2	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	72.0	73.8	82.4	83.9	87.3	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2500	73.4	75.3	84.6	86.1	89.7	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	76.4	78.4	88.6	90.1	94.4	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	76.8	78.8	88.9	90.4	94.8	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	77.4	79.4	89.8	91.3	96.2	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	77.7	79.7	90.1	91.7	96.8	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	77.8	79.8	90.2	91.9	97.1	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	77.8	79.8	90.2	92.0	97.2	98.0	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	77.9	79.9	90.4	92.2	97.4	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	77.9	79.9	90.6	92.3	97.6	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	77.9	79.9	90.7	92.6	97.8	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	77.9	79.9	90.7	92.6	97.8	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	77.9	79.9	90.7	92.6	97.8	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	77.9	79.9	90.7	92.6	97.8	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	77.9	79.9	90.7	92.6	97.8	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.9	79.9	90.7	92.6	97.8	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	77.9	79.9	90.7	92.6	97.8	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.2	43.4	46.2	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	50.0	51.3	54.8	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 18000	50.1	51.4	54.9	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 16000	50.1	51.4	54.9	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 14000	50.3	51.7	55.2	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 12000	51.1	52.4	56.0	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 10000	53.9	55.2	58.9	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 9000	54.4	55.8	59.6	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 8000	58.4	59.9	64.2	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 7000	59.4	60.9	65.2	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 6000	59.9	61.4	65.8	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	62.9	64.6	69.0	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4500	64.7	66.4	71.0	72.1	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	69.9	72.0	77.6	78.8	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	74.3	76.4	82.4	84.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3000	80.1	82.7	89.0	90.7	91.8	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500	82.0	84.8	91.4	93.3	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	82.7	85.4	92.1	94.1	95.7	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	82.7	85.4	92.1	94.1	95.7	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	83.7	86.4	93.1	95.2	96.9	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	83.8	86.6	93.3	95.4	97.1	97.8	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	83.8	86.6	93.4	95.6	97.3	98.0	98.4	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	83.9	86.7	93.7	95.8	97.6	98.2	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	83.9	86.7	93.8	95.9	97.7	98.3	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	83.9	86.7	93.8	95.9	97.7	98.3	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	83.9	86.7	93.8	95.9	97.7	98.7	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 500	83.9	86.7	93.8	95.9	97.7	98.7	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	83.9	86.7	93.8	95.9	97.7	98.7	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	83.9	86.7	93.8	95.9	97.7	98.7	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	83.9	86.7	93.8	95.9	97.7	98.7	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	83.9	86.7	93.8	95.9	97.7	98.7	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	83.9	86.7	93.8	95.9	97.7	98.7	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 18-20

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.9	43.0	48.0	48.3	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 20000	49.1	50.3	56.4	56.9	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	49.1	50.3	56.4	56.9	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 16000	49.1	50.3	56.4	56.9	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 14000	49.3	50.6	56.7	57.1	58.0	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 12000	50.2	51.4	57.6	58.0	58.9	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 10000	54.7	55.9	62.4	62.9	63.8	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 9000	55.1	56.3	62.9	63.3	64.2	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	59.6	60.9	68.0	68.4	69.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 7000	61.0	62.3	69.6	70.0	71.2	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 6000	61.9	63.2	70.7	71.2	72.6	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 5000	63.8	65.1	73.4	74.1	76.3	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	66.3	67.8	76.2	76.9	79.1	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	71.7	73.1	81.9	82.6	84.9	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3500	73.3	74.8	83.9	84.7	87.3	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3000	78.0	79.8	89.2	90.3	93.3	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500	79.6	81.4	91.1	92.2	95.3	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	79.7	81.6	91.3	92.6	95.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	79.7	81.6	91.3	92.6	95.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	80.1	82.0	91.9	93.1	96.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	80.1	82.0	91.9	93.1	96.4	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	80.2	82.1	92.1	93.3	96.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	80.3	82.2	92.3	93.6	97.0	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	80.3	82.2	92.3	93.6	97.1	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	80.3	82.2	92.3	93.6	97.1	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	80.3	82.2	92.3	93.6	97.1	98.4	98.7	98.8	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	80.3	82.2	92.3	93.6	97.3	98.7	98.9	99.0	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	80.3	82.2	92.3	93.6	97.3	98.7	98.9	99.0	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	80.3	82.2	92.3	93.6	97.3	98.7	98.9	99.0	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	80.3	82.2	92.3	93.6	97.3	98.7	98.9	99.0	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	80.3	82.2	92.3	93.6	97.3	98.7	98.9	99.0	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.3	82.2	92.3	93.6	97.3	98.7	98.9	99.0	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	43.0	43.7	51.6	52.3	55.2	55.7	56.2	56.6	56.6	57.1	57.3	57.4	57.4	57.6	57.7	57.7
GE 20000	47.6	48.2	56.4	57.2	60.2	60.8	61.3	61.7	61.7	62.3	62.6	62.7	62.8	62.9	63.0	63.2
GE 18000	47.6	48.2	56.4	57.2	60.3	60.9	61.4	61.8	61.8	62.4	62.7	62.8	62.9	63.0	63.1	63.3
GE 16000	47.6	48.2	56.4	57.2	60.3	60.9	61.4	61.8	61.8	62.4	62.7	62.8	62.9	63.0	63.1	63.3
GE 14000	47.7	48.3	56.6	57.3	60.4	61.0	61.6	61.9	61.9	62.6	62.8	62.9	63.0	63.1	63.2	63.4
GE 12000	47.8	48.4	56.7	57.4	60.6	61.3	61.9	62.2	62.2	62.9	63.1	63.2	63.3	63.4	63.6	63.8
GE 10000	49.3	50.0	58.2	59.0	62.1	62.9	63.4	63.8	63.8	64.4	64.8	64.9	65.0	65.1	65.2	65.4
GE 9000	49.8	50.4	58.7	59.4	62.6	63.3	63.9	64.2	64.2	64.9	65.2	65.3	65.4	65.6	65.7	65.9
GE 8000	52.0	52.7	61.4	62.2	65.7	66.4	67.0	67.3	67.3	68.0	68.3	68.4	68.6	68.7	68.8	69.0
GE 7000	53.3	54.0	62.9	63.7	67.1	67.9	68.4	68.8	68.8	69.4	69.8	69.9	70.0	70.1	70.2	70.4
GE 6000	53.7	54.3	63.3	64.1	67.6	68.3	68.9	69.2	69.2	69.9	70.2	70.3	70.4	70.6	70.7	70.9
GE 5000	56.9	57.6	67.2	68.0	71.9	73.1	73.7	74.2	74.2	74.9	75.2	75.3	75.4	75.6	75.7	75.9
GE 4500	59.3	60.0	69.7	70.4	74.4	75.8	76.3	76.9	76.9	77.6	77.9	78.0	78.1	78.2	78.3	78.6
GE 4000	64.3	65.1	75.0	75.9	80.0	81.4	82.0	82.6	82.6	83.3	83.7	83.8	83.9	84.0	84.1	84.3
GE 3500	66.1	66.9	77.2	78.1	82.7	84.1	84.7	85.2	85.2	86.0	86.3	86.4	86.6	86.7	86.8	87.0
GE 3000	70.0	71.0	82.0	83.0	87.8	89.3	89.9	90.4	90.4	91.2	91.6	91.7	91.8	91.9	92.0	92.2
GE 2500	71.4	72.4	83.4	84.4	89.2	90.8	91.3	91.9	91.9	92.7	93.0	93.1	93.2	93.3	93.4	93.7
GE 2000	72.0	73.0	84.1	85.2	90.1	91.8	92.6	93.1	93.1	93.9	94.3	94.4	94.6	94.7	94.8	95.0
GE 1800	72.0	73.0	84.1	85.2	90.1	91.8	92.6	93.1	93.1	93.9	94.3	94.4	94.6	94.7	94.8	95.0
GE 1500	72.2	73.2	84.6	85.7	90.6	92.4	93.4	94.2	94.2	95.0	95.4	95.6	95.7	95.8	95.9	96.1
GE 1200	72.7	73.7	85.1	86.2	91.2	93.1	94.1	94.9	94.9	95.7	96.1	96.2	96.3	96.4	96.6	96.8
GE 1000	72.8	73.8	85.4	86.8	91.8	93.7	94.7	95.4	95.4	96.2	96.7	96.8	96.9	97.0	97.1	97.3
GE 900	72.9	73.9	85.6	87.0	92.4	94.3	95.3	96.1	96.1	96.9	97.6	97.8	97.9	98.0	98.1	98.3
GE 800	72.9	73.9	85.8	87.2	92.7	94.6	95.6	96.3	96.3	97.1	97.8	98.0	98.1	98.2	98.3	98.6
GE 700	72.9	73.9	85.8	87.2	92.7	94.6	95.6	96.3	96.3	97.1	97.8	98.0	98.1	98.2	98.3	98.6
GE 600	72.9	73.9	85.8	87.2	92.7	94.6	95.8	96.6	96.6	97.3	98.2	98.4	98.6	98.7	98.8	99.0
GE 500	73.1	74.1	86.0	87.4	93.0	94.9	96.1	96.9	96.9	97.7	98.6	98.8	98.9	99.0	99.1	99.3
GE 400	73.1	74.1	86.0	87.4	93.0	94.9	96.2	97.0	97.0	97.8	98.7	98.9	99.0	99.1	99.2	99.4
GE 300	73.1	74.1	86.0	87.4	93.0	94.9	96.2	97.0	97.0	98.1	99.0	99.2	99.3	99.4	99.6	99.8
GE 200	73.1	74.1	86.0	87.4	93.0	94.9	96.2	97.0	97.0	98.1	99.0	99.2	99.3	99.4	99.6	99.8
GE 100	73.1	74.1	86.0	87.4	93.0	94.9	96.2	97.0	97.0	98.1	99.0	99.2	99.3	99.4	99.6	99.8
GE 000	73.1	74.1	86.0	87.4	93.0	94.9	96.2	97.0	97.0	98.1	99.0	99.2	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.8	32.6	38.3	39.2	42.3	42.9	43.7	44.4	44.6	45.4	45.8	45.9	46.2	46.5	46.8	47.0
GE 20000	36.1	36.9	43.2	44.3	47.6	48.3	49.2	50.0	50.2	51.1	51.5	51.7	52.1	52.3	52.7	53.0
GE 18000	36.1	37.0	43.3	44.3	47.7	48.4	49.3	50.0	50.3	51.2	51.6	51.8	52.1	52.4	52.8	53.1
GE 16000	36.1	37.0	43.3	44.3	47.7	48.4	49.3	50.0	50.3	51.2	51.6	51.8	52.1	52.4	52.8	53.1
GE 14000	36.3	37.1	43.4	44.5	47.8	48.5	49.4	50.2	50.4	51.3	51.7	51.9	52.3	52.5	52.9	53.2
GE 12000	36.6	37.4	43.7	44.8	48.1	48.8	49.8	50.6	50.9	51.8	52.2	52.4	52.7	53.0	53.3	53.7
GE 10000	38.8	39.6	46.2	47.3	50.7	51.5	52.5	53.3	53.6	54.5	55.0	55.2	55.6	55.8	56.2	56.5
GE 9000	39.4	40.2	46.9	48.1	51.5	52.3	53.3	54.1	54.4	55.3	55.8	56.0	56.3	56.6	57.0	57.3
GE 8000	42.2	43.1	50.3	51.5	55.1	55.9	56.9	57.8	58.0	59.0	59.4	59.6	60.0	60.3	60.6	61.0
GE 7000	42.9	43.9	51.2	52.4	56.0	56.9	57.9	58.8	59.1	60.0	60.5	60.7	61.0	61.3	61.7	62.0
GE 6000	43.5	44.4	51.8	53.0	56.8	57.7	58.7	59.5	59.8	60.7	61.2	61.4	61.8	62.1	62.4	62.8
GE 5000	45.9	46.9	54.9	56.3	60.5	61.6	62.7	63.6	63.9	64.9	65.4	65.6	66.0	66.2	66.6	67.0
GE 4500	48.0	49.1	57.4	58.8	63.1	64.2	65.4	66.3	66.6	67.6	68.1	68.3	68.7	69.0	69.3	69.7
GE 4000	52.2	53.5	62.4	63.9	68.5	69.8	71.0	72.0	72.3	73.4	73.9	74.1	74.5	74.8	75.1	75.5
GE 3500	55.2	56.4	65.9	67.5	72.4	73.7	74.9	76.0	76.3	77.4	77.9	78.1	78.5	78.8	79.1	79.5
GE 3000	60.0	61.4	71.8	73.6	79.0	80.4	81.7	82.8	83.2	84.2	84.8	85.0	85.3	85.6	86.0	86.4
GE 2500	61.4	63.0	73.7	75.7	81.2	82.7	84.0	85.2	85.6	86.7	87.2	87.4	87.8	88.1	88.4	88.8
GE 2000	62.7	64.4	75.4	77.4	83.2	84.8	86.3	87.5	87.9	89.1	89.6	89.8	90.2	90.5	90.8	91.2
GE 1800	62.9	64.5	75.6	77.6	83.4	85.0	86.6	87.8	88.2	89.3	89.8	90.0	90.4	90.7	91.1	91.5
GE 1500	63.8	65.4	76.8	78.9	85.1	86.8	88.4	89.8	90.2	91.3	91.9	92.1	92.5	92.8	93.1	93.5
GE 1200	64.1	65.7	77.4	79.6	85.9	87.7	89.3	90.7	91.2	92.3	92.9	93.1	93.5	93.8	94.2	94.6
GE 1000	64.2	65.8	77.6	79.9	86.4	88.2	89.9	91.4	91.9	93.1	93.6	93.8	94.2	94.6	94.9	95.3
GE 900	64.2	65.9	77.7	80.0	86.6	88.4	90.1	91.6	92.1	93.3	93.9	94.1	94.5	94.8	95.2	95.6
GE 800	64.2	65.9	77.8	80.1	86.8	88.6	90.4	91.8	92.3	93.5	94.2	94.4	94.8	95.1	95.5	95.9
GE 700	64.3	65.9	77.9	80.2	86.9	88.7	90.5	92.0	92.5	93.7	94.3	94.6	95.0	95.3	95.7	96.2
GE 600	64.3	65.9	77.9	80.3	87.1	89.0	90.9	92.3	92.9	94.1	94.8	95.0	95.4	95.8	96.1	96.6
GE 500	64.3	66.0	78.0	80.3	87.2	89.1	91.0	92.5	93.1	94.4	95.1	95.4	95.9	96.2	96.6	97.2
GE 400	64.3	66.0	78.0	80.3	87.2	89.1	91.0	92.5	93.1	94.4	95.2	95.5	95.9	96.3	96.7	97.5
GE 300	64.3	66.0	78.0	80.3	87.2	89.1	91.0	92.6	93.2	94.6	95.4	95.6	96.1	96.5	96.9	97.8
GE 200	64.3	66.0	78.0	80.3	87.2	89.1	91.1	92.6	93.2	94.6	95.4	95.7	96.1	96.6	97.3	98.4
GE 100	64.3	66.0	78.0	80.3	87.2	89.1	91.1	92.6	93.2	94.6	95.4	95.7	96.2	96.6	97.4	99.3
GE 000	64.3	66.0	78.0	80.3	87.2	89.1	91.1	92.6	93.2	94.6	95.4	95.7	96.3	96.7	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.7	16.8	21.5	22.7	26.7	27.2	28.8	29.9	30.6	33.5	34.8	35.6	37.4	38.1	40.4	42.1
GE 20000	18.3	18.4	23.3	24.7	28.6	29.3	31.2	32.3	33.0	36.1	37.6	38.4	40.2	41.0	43.3	45.0
GE 18000	18.3	18.4	23.3	24.7	28.6	29.3	31.2	32.3	33.0	36.1	37.6	38.4	40.2	41.0	43.3	45.0
GE 16000	18.3	18.4	23.3	24.7	28.6	29.3	31.2	32.3	33.0	36.1	37.6	38.4	40.2	41.0	43.3	45.0
GE 14000	18.3	18.4	23.3	24.7	28.6	29.3	31.2	32.3	33.0	36.1	37.6	38.4	40.2	41.0	43.3	45.0
GE 12000	18.4	18.5	23.4	24.8	28.7	29.4	31.3	32.4	33.2	36.2	37.7	38.5	40.3	41.1	43.4	45.1
GE 10000	19.2	19.4	24.4	25.8	29.8	30.5	32.4	33.5	34.2	37.2	38.8	39.6	41.3	42.2	44.5	46.2
GE 9000	19.3	19.5	24.5	26.3	30.4	31.0	32.9	34.0	34.8	37.9	39.4	40.3	42.0	42.8	45.1	46.9
GE 8000	20.8	21.0	26.2	27.9	32.1	32.7	34.7	35.7	36.5	39.6	41.1	42.0	43.7	44.6	46.8	48.7
GE 7000	21.0	21.2	26.4	28.1	32.3	33.0	35.0	36.1	36.8	39.9	41.4	42.3	44.0	44.9	47.1	49.0
GE 6000	21.3	21.5	26.8	28.5	32.7	33.5	35.4	36.5	37.2	40.4	41.9	42.7	44.5	45.3	47.6	49.4
GE 5000	22.6	22.8	29.0	30.8	35.0	35.7	38.3	39.4	40.3	43.6	45.1	46.1	47.8	48.7	50.9	52.7
GE 4500	25.8	26.2	33.2	35.1	39.5	40.3	42.8	43.9	44.8	48.1	49.6	50.6	52.3	53.2	55.4	57.3
GE 4000	32.5	32.8	40.8	42.7	48.0	48.8	51.7	52.7	53.6	57.3	58.9	59.8	61.6	62.4	64.7	66.6
GE 3500	34.9	35.2	43.9	45.9	51.1	51.9	54.8	55.9	5.7	60.4	62.1	63.1	64.8	65.7	67.9	69.9
GE 3000	38.2	38.6	47.8	49.8	55.7	56.4	59.5	60.8	61.7	65.4	67.4	68.6	70.4	71.4	73.7	75.7
GE 2500	39.3	39.7	49.5	51.9	57.7	58.4	61.6	62.9	63.9	67.8	69.8	70.9	72.8	73.7	76.1	78.0
GE 2000	41.9	42.3	52.6	55.2	61.2	62.1	65.2	66.6	67.7	71.6	73.5	74.7	76.5	77.5	79.9	81.8
GE 1800	42.4	42.8	53.3	55.9	61.9	62.8	65.9	67.4	68.5	7.3	74.3	75.5	77.3	78.3	80.6	82.6
GE 1500	43.8	44.2	54.7	57.5	63.6	64.5	67.8	69.9	71.0	74.9	76.9	78.0	79.9	80.8	83.2	85.1
GE 1200	43.8	44.2	55.1	58.1	64.7	65.7	69.0	71.3	72.4	76.4	78.4	79.5	81.4	82.3	84.7	86.7
GE 1000	44.3	44.8	55.8	58.8	65.3	66.8	70.3	72.6	73.7	78.0	80.0	81.2	83.0	84.0	86.3	88.3
GE 900	44.3	44.8	56.0	59.0	66.0	67.5	71.0	73.5	74.7	79.0	80.9	82.1	84.0	84.9	87.3	89.2
GE 800	44.8	45.2	56.7	59.7	66.7	68.2	72.0	74.9	76.1	80.4	82.3	83.5	85.4	86.3	88.7	90.6
GE 700	44.9	45.3	56.8	59.8	67.1	68.6	72.9	75.8	77.0	81.5	83.4	84.6	86.4	87.4	89.8	91.7
GE 600	44.9	45.3	56.8	60.0	67.3	68.8	74.0	76.9	78.0	82.7	84.6	85.8	87.6	88.6	91.0	92.9
GE 500	44.9	45.3	56.8	60.0	67.3	68.8	74.0	76.9	78.0	82.7	84.7	85.9	87.7	88.7	91.1	93.1
GE 400	44.9	45.3	56.8	60.0	67.3	68.8	74.0	77.0	78.1	82.8	85.0	86.2	88.3	89.2	91.6	93.9
GE 300	44.9	45.3	56.8	60.0	67.3	68.8	74.0	77.0	78.1	83.0	85.4	86.5	88.6	89.6	92.1	95.2
GE 200	44.9	45.3	56.8	60.0	67.3	68.8	74.0	77.0	78.1	83.0	85.4	86.5	88.6	89.7	92.7	97.5
GE 100	44.9	45.3	56.8	60.0	67.3	68.8	74.0	77.1	78.3	83.1	85.6	86.8	88.8	90.1	93.3	99.9
GE 000	44.9	45.3	56.8	60.0	67.3	68.8	74.0	77.1	78.3	83.1	85.6	86.8	88.8	90.1	93.3	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.9	13.4	16.1	16.5	19.5	19.8	20.5	21.0	21.6	24.3	25.2	25.6	27.2	28.8	31.1	32.8
GE 20000	14.3	14.8	17.5	18.1	21.3	21.6	22.7	23.1	23.9	26.6	27.5	28.0	29.6	31.3	33.5	35.3
GE 18000	14.3	14.8	17.5	18.1	21.3	21.6	22.7	23.1	23.9	26.6	27.5	28.0	29.6	31.3	33.5	35.3
GE 16000	14.3	14.8	17.5	18.1	21.3	21.6	22.7	23.1	23.9	26.6	27.5	28.0	29.6	31.3	33.5	35.3
GE 14000	14.3	14.8	17.5	18.1	21.3	21.6	22.7	23.1	23.9	26.6	27.5	28.0	29.6	31.3	33.5	35.3
GE 12000	14.4	14.9	17.7	18.3	21.5	21.8	22.9	23.3	24.1	26.8	27.7	28.2	29.8	31.5	33.8	35.5
GE 10000	14.5	15.1	18.2	18.7	21.9	22.3	23.3	23.8	24.5	27.2	28.2	28.6	30.2	31.9	34.2	35.9
GE 9000	14.9	15.5	18.6	19.5	22.8	23.2	24.5	25.1	25.8	28.5	29.5	29.9	31.5	33.2	35.5	37.3
GE 8000	16.0	16.6	19.7	20.5	23.9	24.3	25.6	26.3	27.1	29.9	30.9	31.3	32.9	34.6	36.9	38.7
GE 7000	16.6	17.1	20.2	21.1	24.4	24.8	26.1	26.9	27.6	30.4	31.4	31.8	33.4	35.2	37.4	39.2
GE 6000	17.0	17.5	20.6	21.5	24.8	25.3	26.6	27.3	28.1	30.9	32.0	32.5	34.1	35.8	38.1	39.9
GE 5000	19.5	20.0	23.9	24.8	28.4	28.9	30.3	31.1	31.8	34.8	36.2	36.7	38.3	40.1	42.4	44.2
GE 4500	22.2	22.8	27.5	28.6	32.6	33.2	34.6	35.4	36.1	39.1	40.5	41.0	42.7	44.5	46.8	48.6
GE 4000	28.2	28.9	34.1	35.2	39.6	40.2	41.8	42.6	43.3	46.6	48.2	48.6	50.3	52.2	54.4	56.2
GE 3500	30.9	31.6	37.4	38.8	43.4	44.1	45.7	46.6	47.3	50.6	52.3	52.7	54.4	56.2	58.5	60.3
GE 3000	34.9	35.9	42.2	43.7	48.7	49.5	51.2	52.5	53.3	57.0	58.9	59.6	61.3	63.2	65.6	67.4
GE 2500	36.1	37.1	43.5	45.5	50.5	51.6	53.3	54.6	55.6	59.2	61.2	61.8	63.5	65.5	67.8	69.7
GE 2000	39.0	40.0	46.9	49.1	54.2	55.4	57.1	58.4	59.5	63.2	65.2	65.8	67.5	69.5	71.8	73.7
GE 1800	39.2	40.2	47.1	49.4	54.4	55.6	57.3	58.7	59.9	63.7	65.6	66.2	68.0	69.9	72.3	74.1
GE 1500	41.4	42.4	49.9	52.4	57.8	59.0	61.0	63.2	64.5	68.3	70.2	70.9	72.6	74.5	76.9	78.7
GE 1200	42.0	43.0	50.6	53.1	58.9	60.1	62.0	64.6	65.9	70.0	71.9	72.6	74.3	76.2	78.6	80.4
GE 1000	42.2	43.1	51.1	53.9	59.7	61.2	63.2	65.8	67.1	71.5	73.4	74.1	75.8	77.7	80.1	81.9
GE 900	42.3	43.2	51.2	54.0	60.2	61.9	64.1	66.7	68.1	72.5	74.4	75.1	76.8	78.7	81.1	82.9
GE 800	42.7	43.7	51.7	54.7	61.0	62.7	64.9	67.8	69.2	73.9	75.8	76.5	78.3	80.2	82.6	84.4
GE 700	43.1	44.1	52.4	55.4	61.6	63.4	66.0	69.2	70.6	75.3	77.2	77.8	79.7	81.6	84.0	85.8
GE 600	43.2	44.2	52.7	55.7	61.9	63.9	67.5	70.8	72.2	77.0	79.0	79.7	81.5	83.4	85.8	87.6
GE 500	43.2	44.2	52.7	55.7	61.9	63.9	67.5	70.8	72.2	77.1	79.2	79.9	81.7	83.7	86.0	87.8
GE 400	43.2	44.2	52.7	55.7	61.9	63.9	67.5	71.2	72.6	77.6	79.9	80.5	82.4	84.4	86.8	88.6
GE 300	43.2	44.2	52.7	55.7	61.9	63.9	67.6	71.4	72.9	78.1	80.6	81.3	83.1	85.5	88.1	91.3
GE 200	43.2	44.2	52.7	55.7	61.9	63.9	67.6	71.4	72.9	78.1	80.8	81.5	83.4	86.5	89.4	94.9
GE 100	43.2	44.2	52.7	55.7	61.9	63.9	67.6	71.4	73.0	78.2	81.0	81.8	83.8	87.2	90.8	99.4
GE 000	43.2	44.2	52.7	55.7	61.9	63.9	67.6	71.5	73.1	78.3	81.1	81.9	83.9	87.3	91.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	7.3	7.4	8.9	9.2	12.2	13.2	13.9	14.2	14.2	15.3	15.8	15.9	16.1	16.9	19.6	21.1
GE 20000	8.5	8.6	10.2	10.6	13.9	14.9	16.0	16.5	16.5	17.8	18.4	18.6	18.9	19.7	22.4	23.9
GE 18000	8.5	8.6	10.2	10.6	13.9	14.9	16.0	16.5	16.5	17.8	18.4	18.6	18.9	19.7	22.4	23.9
GE 16000	8.5	8.6	10.2	10.6	13.9	14.9	16.0	16.5	16.5	17.8	18.4	18.6	18.9	19.7	22.4	23.9
GE 14000	8.6	8.7	10.3	10.8	14.0	15.1	16.1	16.6	16.6	18.0	18.5	18.7	19.0	19.8	22.7	24.2
GE 12000	8.6	8.7	10.4	10.9	14.2	15.3	16.3	16.8	16.8	18.2	18.7	18.9	19.2	20.0	22.9	24.5
GE 10000	9.7	9.8	11.5	12.0	15.4	16.5	17.6	18.1	18.1	19.5	20.0	20.3	20.6	21.4	24.3	25.9
GE 9000	10.1	10.2	11.9	12.5	15.9	17.0	18.5	19.0	19.0	20.4	21.0	21.3	21.6	22.4	25.3	26.9
GE 8000	10.9	11.0	13.1	13.7	17.3	18.5	20.2	20.9	20.9	22.3	22.8	23.1	23.4	24.2	27.1	28.7
GE 7000	11.4	11.5	14.0	14.8	18.7	20.0	21.7	22.4	22.4	23.8	24.3	24.6	24.9	25.7	28.6	30.2
GE 6000	11.6	11.8	14.4	15.3	19.1	20.4	22.2	22.8	22.8	24.2	24.7	25.1	25.4	26.1	29.1	30.8
GE 5000	13.0	13.2	16.1	17.0	21.1	22.8	24.5	25.3	25.3	26.9	27.4	27.7	28.1	28.9	32.0	33.7
GE 4500	14.3	14.5	18.3	19.1	23.9	25.8	27.5	28.4	28.5	30.1	30.6	31.0	31.3	32.2	35.3	36.9
GE 4000	18.8	19.0	23.1	24.0	29.5	31.6	33.4	34.5	34.6	36.2	36.8	37.1	37.4	38.3	41.4	43.0
GE 3500	20.0	20.2	25.2	26.3	32.0	34.2	36.1	37.3	37.4	39.1	39.7	40.0	40.4	41.3	44.4	46.0
GE 3000	25.1	25.3	30.6	32.2	38.3	40.6	42.6	44.2	44.5	46.7	47.4	47.7	48.3	49.2	52.4	54.1
GE 2500	27.4	27.6	33.4	35.2	41.4	43.9	46.0	47.8	48.2	50.3	51.1	51.4	51.9	52.9	56.0	57.7
GE 2000	31.5	31.7	38.3	40.5	47.0	49.5	51.7	53.8	54.3	56.6	57.4	57.7	58.3	59.2	62.4	64.1
GE 1800	31.7	31.9	38.5	40.8	47.2	49.7	51.9	54.0	54.5	56.8	57.6	58.0	58.5	59.5	62.6	64.3
GE 1500	34.9	35.3	43.4	46.0	52.8	55.5	57.8	60.3	60.9	63.1	64.1	64.4	64.9	65.9	69.0	70.8
GE 1200	35.9	36.2	45.1	48.0	55.3	58.2	60.5	63.1	63.8	66.2	67.2	67.5	68.1	69.0	72.2	74.0
GE 1000	36.3	36.7	46.0	48.9	56.7	59.7	62.0	64.6	65.4	68.3	69.5	69.8	70.3	71.3	74.4	76.2
GE 900	36.8	37.1	46.6	49.5	57.7	61.0	63.5	66.7	67.4	70.3	71.5	71.8	72.4	73.3	76.5	78.3
GE 800	37.2	37.5	47.7	50.6	59.1	62.5	65.1	68.3	69.0	72.0	73.3	73.7	74.2	75.2	78.3	80.1
GE 700	37.2	37.5	47.8	50.8	59.5	62.8	65.5	69.1	70.0	73.3	74.7	75.6	76.1	77.1	80.2	82.0
GE 600	37.2	37.5	47.8	51.0	59.8	63.2	66.2	69.9	70.8	74.3	75.8	76.7	77.4	78.4	81.5	83.3
GE 500	37.2	37.5	47.8	51.0	60.0	63.4	66.5	70.2	71.3	75.2	77.0	77.8	78.6	79.6	82.8	84.7
GE 400	37.2	37.5	47.8	51.0	60.0	63.4	66.6	70.6	71.8	76.0	78.1	79.1	80.1	81.2	84.6	87.1
GE 300	37.2	37.5	47.8	51.0	60.0	63.4	66.7	71.0	72.2	76.3	78.7	79.9	80.9	82.5	86.2	91.5
GE 200	37.2	37.5	47.8	51.0	60.0	63.4	66.7	71.0	72.2	76.6	79.1	80.6	81.6	83.4	87.7	95.4
GE 100	37.2	37.5	47.8	51.0	60.0	63.4	66.7	71.0	72.2	76.8	79.5	81.1	82.0	83.9	88.8	99.6
GE 000	37.2	37.5	47.8	51.0	60.0	63.4	66.7	71.0	72.2	76.8	79.5	81.1	82.0	83.9	88.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.5	10.9	13.7	14.5	18.1	18.7	19.2	20.0	20.1	21.0	21.0	21.2	21.2	21.4	22.2	23.1
GE 20000	12.5	13.0	16.2	17.2	21.1	21.9	22.5	23.5	23.8	24.7	24.8	25.1	25.1	25.3	26.0	27.0
GE 18000	12.6	13.1	16.3	17.3	21.2	22.0	22.6	23.7	23.9	24.8	24.9	25.2	25.2	25.4	26.1	27.1
GE 16000	12.6	13.1	16.3	17.3	21.2	22.0	22.6	23.7	23.9	24.8	24.9	25.2	25.2	25.4	26.1	27.1
GE 14000	12.6	13.1	16.3	17.3	21.2	22.0	22.6	23.7	23.9	24.8	24.9	25.2	25.2	25.4	26.2	27.2
GE 12000	12.7	13.2	16.5	17.5	21.6	22.5	23.0	24.2	24.4	25.4	25.5	25.7	25.7	25.9	26.8	27.7
GE 10000	13.7	14.2	17.4	18.6	23.0	24.0	24.6	25.8	26.1	27.1	27.2	27.4	27.4	27.6	28.5	29.5
GE 9000	14.1	14.6	18.0	19.4	24.1	25.1	25.8	27.0	27.3	28.4	28.5	28.7	28.7	28.9	29.8	30.8
GE 8000	15.8	16.3	20.0	21.7	26.9	28.1	29.0	30.3	30.6	31.7	31.8	32.0	32.0	32.3	33.1	34.1
GE 7000	15.9	16.5	20.3	22.0	27.3	28.5	29.5	30.8	31.1	32.2	32.3	32.5	32.5	32.7	33.5	34.5
GE 6000	16.0	16.6	20.5	22.3	27.5	28.7	29.7	31.0	31.3	32.4	32.5	32.7	32.7	32.9	33.8	34.7
GE 5000	16.8	17.3	21.5	23.2	28.7	29.9	30.9	32.2	32.5	33.5	33.7	33.9	33.9	34.1	34.9	35.9
GE 4500	18.7	19.2	23.9	25.7	31.7	33.2	34.2	35.5	35.8	37.2	37.3	37.5	37.6	37.8	38.7	39.7
GE 4000	20.6	21.2	26.8	28.7	35.5	37.2	38.6	39.9	40.2	41.6	41.7	41.9	42.0	42.3	43.1	44.1
GE 3500	22.0	22.6	29.1	31.2	38.3	40.2	42.2	43.5	44.1	45.5	45.6	45.8	45.9	46.1	47.0	48.0
GE 3000	26.0	26.7	34.2	36.3	44.2	46.5	48.6	50.3	51.0	52.6	52.7	52.9	53.1	53.3	54.2	55.2
GE 2500	29.5	30.2	38.5	40.8	48.8	51.2	53.4	55.2	55.8	57.4	57.6	57.8	58.1	58.3	59.1	60.1
GE 2000	32.6	33.3	42.4	45.3	53.8	56.1	59.0	61.2	61.9	63.5	63.8	64.0	64.2	64.4	65.3	66.2
GE 1800	33.0	33.8	43.1	46.0	54.6	57.0	59.9	62.0	62.8	64.4	64.6	64.8	65.1	65.3	66.1	67.1
GE 1500	35.6	36.3	47.3	50.5	60.2	62.6	65.7	68.0	68.8	70.5	70.8	71.0	71.2	71.4	72.3	73.2
GE 1200	38.2	39.0	51.2	54.4	64.5	66.9	70.0	72.4	73.2	75.1	75.3	75.5	75.7	75.9	76.8	77.7
GE 1000	38.7	39.6	52.7	55.9	66.5	69.2	72.7	75.2	76.3	78.4	78.8	79.0	79.2	79.5	80.3	81.3
GE 900	38.9	39.8	53.0	56.3	67.7	70.6	74.2	76.8	78.1	80.1	80.5	80.8	81.0	81.2	82.0	83.0
GE 800	38.9	39.8	53.3	56.9	68.6	71.7	75.5	78.6	79.9	82.4	82.8	83.0	83.3	83.5	84.4	85.4
GE 700	38.9	39.8	53.7	57.2	69.5	72.7	76.7	80.3	81.7	84.6	85.1	85.4	85.7	85.9	86.8	87.7
GE 600	38.9	39.8	53.8	57.4	70.0	73.4	78.0	81.7	83.1	86.2	86.7	87.1	87.4	87.6	88.5	89.5
GE 500	38.9	39.8	53.8	57.4	70.1	73.5	78.5	82.4	83.9	87.0	87.5	88.0	88.4	88.6	89.7	91.2
GE 400	38.9	39.8	53.8	57.4	70.2	73.8	78.8	82.9	84.6	88.1	88.7	89.2	89.7	89.9	91.1	93.8
GE 300	38.9	39.8	53.8	57.4	70.2	73.8	78.8	83.1	85.1	88.7	89.4	90.0	90.4	91.1	92.3	95.9
GE 200	38.9	39.8	53.8	57.4	70.2	73.8	78.8	83.1	85.1	89.0	90.2	91.0	91.6	92.4	93.8	98.2
GE 100	38.9	39.8	53.8	57.4	70.2	73.8	78.8	83.1	85.1	89.0	90.2	91.0	91.6	92.4	93.8	99.7
GE 000	38.9	39.8	53.8	57.4	70.2	73.8	78.8	83.2	85.2	89.1	90.3	91.1	91.7	92.6	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.9	23.4	27.3	28.8	30.9	31.2	31.6	31.8	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 20000	26.9	27.5	31.6	33.4	35.6	35.9	36.3	36.6	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 18000	27.0	27.6	31.7	33.5	35.7	36.0	36.5	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 16000	27.0	27.6	31.7	33.5	35.7	36.0	36.5	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 14000	27.0	27.6	31.9	33.8	35.9	36.2	36.7	36.9	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 12000	27.2	27.8	32.3	34.3	36.5	36.8	37.2	37.4	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 10000	28.7	29.4	33.9	36.0	38.3	38.6	39.0	39.2	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 9000	29.8	30.4	34.9	37.2	39.5	39.8	40.2	40.4	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 8000	31.7	32.4	36.9	39.6	41.9	42.3	42.7	42.9	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 7000	32.0	32.7	37.2	39.9	42.3	42.6	43.0	43.2	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 6000	32.2	32.8	37.3	40.0	42.4	42.7	43.1	43.3	43.3	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 5000	33.9	34.5	39.2	41.9	44.4	45.1	45.5	4.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 4500	37.4	38.1	43.4	46.3	49.1	49.9	50.3	50.5	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 4000	41.1	41.7	47.7	50.6	53.7	54.5	54.9	55.2	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 3500	43.7	44.4	51.3	54.3	57.6	58.7	59.1	59.6	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 3000	50.0	50.9	59.0	62.3	66.1	67.5	68.1	68.5	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 2500	53.5	54.7	63.8	67.3	71.5	72.9	73.5	74.1	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 2000	56.6	58.0	67.6	71.5	76.8	78.3	79.0	79.6	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 1800	57.1	58.5	68.2	72.0	77.5	79.2	80.0	80.5	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1500	59.5	60.9	71.3	75.4	81.9	83.8	84.6	85.2	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1200	61.2	62.6	73.4	77.6	85.7	87.6	88.5	89.5	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1000	62.0	63.4	74.9	79.2	87.6	89.9	91.1	92.0	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9
GE 900	62.0	63.4	75.2	79.5	88.1	90.3	91.5	92.6	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 800	62.6	64.0	76.1	80.5	89.5	91.8	93.0	94.2	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	62.8	64.2	76.3	80.8	90.3	93.0	94.4	95.6	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 600	62.8	64.2	76.3	80.8	90.8	93.5	95.2	96.7	97.1	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 500	62.8	64.2	76.3	80.8	90.8	93.7	95.4	96.9	97.6	98.5	98.9	98.9	99.0	99.0	99.0	99.0
GE 400	62.8	64.2	76.3	80.8	90.9	93.9	95.7	97.3	98.1	98.9	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	62.8	64.2	76.3	80.8	90.9	93.9	95.7	97.4	98.2	99.1	99.7	99.7	99.9	99.9	99.9	100.0
GE 200	62.8	64.2	76.3	80.8	90.9	93.9	95.7	97.4	98.2	99.1	99.7	99.7	99.9	99.9	99.9	100.0
GE 100	62.8	64.2	76.3	80.8	90.9	93.9	95.7	97.4	98.2	99.1	99.7	99.7	99.9	99.9	99.9	100.0
GE 000	62.8	64.2	76.3	80.8	90.9	93.9	95.7	97.4	98.2	99.1	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VIS. BILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.0	28.3	33.4	34.5	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	33.8	34.2	40.0	41.2	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 18000	34.0	34.4	40.2	41.4	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 16000	34.0	34.4	40.2	41.4	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 14000	34.0	34.4	40.2	41.4	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 12000	34.7	35.2	41.0	42.2	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 10000	37.0	37.5	43.9	45.1	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 9000	38.8	39.4	45.8	47.2	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 8000	41.2	41.7	48.5	50.0	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 7000	42.3	42.8	49.6	51.1	51.8	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 6000	42.7	43.2	50.1	51.6	52.4	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 5000	44.3	44.9	52.0	53.5	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 4500	47.7	48.4	56.5	58.1	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 4000	54.1	54.9	63.1	64.7	65.6	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 3500	57.0	58.1	67.0	68.6	69.8	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3000	63.5	64.6	75.1	76.9	78.9	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 2500	66.1	67.5	78.2	80.1	82.2	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2000	68.9	70.4	81.3	83.2	85.3	86.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	69.1	70.8	81.6	83.5	85.6	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1500	70.3	71.9	83.8	85.8	88.6	90.0	90.4	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1200	70.9	72.5	85.1	87.2	91.5	93.2	93.7	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1000	71.3	72.9	86.1	88.3	93.3	95.1	95.5	95.8	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	71.3	72.9	86.1	88.3	93.3	95.1	95.5	95.8	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	71.3	72.9	86.2	88.4	93.5	95.3	95.7	96.0	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	71.4	73.0	86.5	88.6	94.5	96.5	97.1	97.4	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	71.4	73.0	86.5	88.6	94.7	96.7	97.4	98.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	71.4	73.0	86.5	88.6	94.7	96.7	97.6	98.3	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	71.4	73.0	86.5	88.6	94.7	96.8	97.7	98.4	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	71.4	73.0	86.5	88.6	94.7	96.8	97.7	98.4	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	71.4	73.0	86.5	88.6	94.7	96.8	97.7	98.4	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	71.4	73.0	86.5	88.6	94.7	96.8	97.7	98.4	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	71.4	73.0	86.5	88.6	94.7	96.8	97.7	98.4	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 1J6140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 18-20

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.2	30.8	35.7	37.2	40.2	40.8	41.0	41.2	41.3	41.6	41.7	41.8	41.9	42.2	42.3	42.5
GE 20000	33.8	34.3	40.2	41.7	44.9	45.5	45.8	46.0	46.1	46.5	46.6	6.8	46.9	47.1	47.2	47.4
GE 18000	34.0	34.5	40.4	41.9	45.2	45.7	46.0	46.2	46.3	46.7	46.8	47.0	47.1	47.3	47.4	47.6
GE 16000	34.1	34.6	40.5	42.0	45.3	45.8	46.1	46.3	46.5	46.8	46.9	47.1	47.2	47.4	47.5	47.7
GE 14000	34.1	34.6	40.5	42.0	45.3	45.8	46.1	46.3	46.5	46.8	46.9	47.1	47.2	47.4	47.5	47.7
GE 12000	34.4	34.9	40.9	42.4	45.6	46.1	46.5	46.7	46.8	47.2	47.3	47.5	47.6	47.8	48.0	48.2
GE 10000	35.7	36.3	42.4	44.1	47.4	48.0	48.3	48.5	48.6	49.0	49.1	49.4	49.5	49.7	49.8	50.0
GE 9000	36.0	36.7	43.1	44.8	48.2	48.7	49.0	49.2	49.4	49.8	49.9	50.1	50.2	50.4	50.5	50.8
GE 8000	38.9	39.6	46.1	48.2	51.8	52.4	52.7	52.9	53.0	53.4	53.5	53.8	53.9	54.1	54.2	54.4
GE 7000	39.9	40.5	47.2	49.2	52.9	53.4	53.8	54.0	54.1	54.5	54.6	54.8	54.9	55.2	55.3	55.5
GE 6000	40.3	41.1	47.7	49.8	53.4	54.2	54.5	54.7	54.8	55.3	55.4	55.6	55.7	55.9	56.0	56.2
GE 5000	43.2	44.1	51.0	53.1	56.8	57.5	57.8	58.1	58.2	58.6	58.7	58.9	59.0	59.2	59.4	59.6
GE 4500	48.2	49.0	56.5	58.6	62.5	63.2	63.5	63.8	63.9	64.3	64.4	64.6	64.7	64.9	65.1	65.3
GE 4000	52.5	53.5	61.5	63.7	67.6	68.4	68.7	68.9	69.0	69.5	69.6	69.8	69.9	70.1	70.2	70.4
GE 3500	55.7	56.9	65.2	67.3	71.4	72.2	72.6	72.8	72.9	73.3	73.4	73.7	73.8	74.0	74.1	74.3
GE 3000	59.8	61.0	70.4	72.7	77.5	78.4	78.9	79.1	79.2	79.7	79.8	80.0	80.1	80.3	80.4	80.6
GE 2500	61.5	62.7	72.5	74.9	79.9	80.9	81.4	81.6	81.7	82.2	82.3	82.5	82.6	82.8	82.9	83.1
GE 2000	63.7	64.9	75.4	78.2	83.2	84.2	84.8	85.1	85.2	85.6	85.7	85.9	86.0	86.2	86.3	86.6
GE 1800	63.7	64.9	75.4	78.2	83.5	84.7	85.5	85.7	85.8	86.2	86.3	86.6	86.7	86.9	87.0	87.2
GE 1500	64.3	65.6	76.3	79.4	84.9	86.3	87.1	87.5	87.6	88.1	88.2	88.4	88.5	88.7	88.8	89.0
GE 1200	65.8	67.1	78.6	81.7	88.8	90.4	91.3	91.7	91.8	92.3	92.4	92.6	92.7	92.9	93.0	93.2
GE 1000	65.9	67.2	79.7	82.8	90.2	91.8	93.1	93.5	93.7	94.5	94.6	94.8	94.9	95.2	95.3	95.5
GE 900	66.0	67.3	80.0	83.1	90.8	92.4	93.8	94.5	94.6	95.5	95.6	95.8	95.9	96.1	96.2	96.5
GE 800	66.2	67.5	80.6	83.8	91.4	93.2	94.6	95.7	95.8	96.8	96.9	97.1	97.2	97.4	97.5	97.7
GE 700	66.6	67.8	81.0	84.1	91.8	93.7	95.4	96.6	96.7	97.6	97.7	98.0	98.1	98.3	98.4	98.6
GE 600	66.6	67.8	81.0	84.1	91.8	93.8	95.5	96.9	97.4	98.6	98.7	98.9	99.0	99.2	99.4	99.6
GE 500	66.6	67.8	81.0	84.1	91.8	93.9	95.6	97.0	97.5	98.8	98.9	99.1	99.2	99.5	99.6	99.8
GE 400	66.6	67.8	81.0	84.1	91.8	93.9	95.7	97.1	97.6	99.0	99.1	99.4	99.5	99.7	99.8	100.0
GE 300	66.6	67.8	81.0	84.1	91.8	93.9	95.7	97.1	97.6	99.0	99.1	99.4	99.5	99.7	99.8	100.0
GE 200	66.6	67.8	81.0	84.1	91.8	93.9	95.7	97.1	97.6	99.0	99.1	99.4	99.5	99.7	99.8	100.0
GE 100	66.6	67.8	81.0	84.1	91.8	93.9	95.7	97.1	97.6	99.0	99.1	99.4	99.5	99.7	99.8	100.0
GE 000	66.6	67.8	81.0	84.1	91.8	93.9	95.7	97.1	97.6	99.0	99.1	99.4	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.5	22.7	27.6	29.0	33.4	34.9	37.1	38.6	39.1	40.3	40.9	41.5	42.0	42.9	44.1	44.8
GE 20000	24.6	24.9	30.8	32.2	36.6	38.1	40.5	42.0	42.6	43.8	44.4	45.2	45.7	46.7	47.8	48.6
GE 18000	24.6	24.9	30.8	32.2	36.6	38.1	40.5	42.0	42.6	43.8	44.4	45.2	45.7	46.7	47.8	48.6
GE 16000	24.6	24.9	30.8	32.2	36.6	38.1	40.5	42.0	42.6	43.8	44.4	45.2	45.7	46.7	47.8	48.6
GE 14000	24.7	25.1	30.9	32.3	36.7	38.2	40.6	42.2	42.7	43.9	44.5	45.3	45.8	46.8	48.0	48.7
GE 12000	24.8	25.2	31.0	32.4	36.9	38.4	40.9	42.4	42.9	44.1	44.7	45.5	46.0	47.0	48.2	48.9
GE 10000	25.9	26.2	32.0	33.4	38.3	39.8	42.4	43.9	44.4	45.6	46.3	47.1	47.6	48.6	49.9	50.6
GE 9000	26.0	26.3	32.3	33.7	38.5	40.0	42.6	44.1	44.6	45.9	46.7	47.4	48.0	48.9	50.2	51.0
GE 8000	28.1	28.5	34.5	35.9	40.9	42.5	45.1	46.8	47.3	48.6	49.4	50.1	50.6	51.6	52.9	53.7
GE 7000	28.4	28.8	34.8	36.2	41.2	42.8	45.4	47.1	47.6	48.9	49.7	50.4	51.0	51.9	53.2	54.0
GE 6000	28.4	28.8	34.8	36.2	41.2	42.8	45.4	47.1	47.6	49.1	49.9	50.6	51.2	52.2	53.4	54.2
GE 5000	31.2	31.6	38.2	39.7	44.9	46.6	49.1	50.9	51.4	53.0	53.8	54.5	55.1	56.0	57.3	58.1
GE 4500	36.1	36.7	44.2	46.1	51.7	53.3	55.9	57.6	58.2	59.8	60.5	61.3	61.8	62.8	64.1	64.8
GE 4000	41.9	42.5	50.3	52.3	58.4	60.1	62.7	64.5	65.1	66.8	67.5	68.3	68.8	69.8	71.1	71.8
GE 3500	44.2	44.9	53.2	55.2	61.9	63.7	66.2	68.1	68.6	70.3	71.1	71.8	72.4	73.3	74.6	75.4
GE 3000	47.8	48.9	58.0	59.9	67.0	68.7	71.4	73.4	74.3	76.0	76.9	77.6	78.2	79.1	80.4	81.3
GE 2500	49.8	51.1	60.6	62.8	70.0	72.4	75.1	77.1	78.0	79.8	80.6	81.4	81.9	82.7	84.2	85.1
GE 2000	51.4	52.8	62.7	65.4	72.7	75.1	77.7	79.8	80.6	82.5	83.3	84.1	84.6	85.6	86.9	87.7
GE 1800	51.8	53.2	63.2	65.9	73.2	75.6	78.3	80.3	81.2	83.0	83.9	84.6	85.2	86.1	87.4	88.3
GE 1500	52.7	54.1	64.4	67.1	75.4	77.7	80.5	82.8	83.7	85.5	86.3	87.1	87.6	88.6	89.9	90.8
GE 1200	53.3	54.8	66.1	68.8	77.3	79.8	82.8	85.1	86.0	87.8	88.7	89.5	90.0	91.0	92.3	93.1
GE 1000	53.8	55.3	67.0	69.7	78.3	81.3	84.5	86.8	87.7	89.9	90.8	91.5	92.0	93.0	94.3	95.2
GE 900	54.0	55.5	67.4	70.1	79.0	82.2	85.4	87.6	88.6	90.8	91.6	92.4	92.9	93.9	95.2	96.0
GE 800	54.2	55.7	68.0	70.6	79.6	82.7	85.9	88.5	89.5	91.6	92.5	93.2	93.8	94.7	96.0	96.9
GE 700	54.3	56.0	68.3	71.1	80.0	83.1	86.6	89.2	90.2	92.4	93.2	94.0	94.5	95.5	96.8	97.6
GE 600	54.3	56.0	68.3	71.1	80.1	83.2	86.8	89.6	90.6	92.8	93.8	94.5	95.1	96.0	97.3	98.2
GE 500	54.3	56.0	68.3	71.1	80.1	83.2	86.8	89.6	90.6	92.8	93.8	94.5	95.1	96.0	97.3	98.2
GE 400	54.3	56.0	68.3	71.1	80.1	83.2	86.8	89.6	90.6	92.8	93.8	94.5	95.1	96.0	97.3	98.2
GE 300	54.3	56.0	68.3	71.1	80.1	83.2	86.8	89.9	91.0	93.1	94.1	94.8	95.4	96.3	97.6	98.7
GE 200	54.3	56.0	68.3	71.1	80.1	83.2	86.8	89.9	91.0	93.1	94.2	94.9	95.5	96.5	98.0	99.5
GE 100	54.3	56.0	68.3	71.1	80.1	83.2	86.8	89.9	91.0	93.1	94.2	94.9	95.5	96.6	98.2	99.8
GE 000	54.3	56.0	68.3	71.1	80.1	83.2	86.8	89.9	91.0	93.1	94.2	94.9	95.5	96.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	G 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.9	19.2	23.0	24.1	27.0	27.6	28.4	28.9	29.2	30.4	30.8	31.1	31.6	32.2	33.3	34.2
GE 20000	21.6	22.0	26.2	27.4	30.5	31.1	32.1	32.7	33.0	34.3	34.8	35.1	35.6	36.2	37.4	38.2
GE 18000	21.7	22.1	26.3	27.5	30.5	31.2	32.2	32.8	33.1	34.4	34.8	35.2	35.7	36.3	37.5	38.3
GE 16000	21.7	22.1	26.3	27.5	30.6	31.2	32.2	32.8	33.1	34.4	34.9	35.2	35.7	36.3	37.5	38.3
GE 14000	21.7	22.1	26.4	27.5	30.6	31.3	32.3	32.9	33.2	34.4	34.9	35.3	35.8	36.4	37.6	38.4
GE 12000	21.9	22.3	26.6	27.8	31.0	31.6	32.6	33.3	33.6	34.8	35.3	35.6	36.2	36.8	38.0	38.8
GE 10000	23.0	23.5	28.0	29.2	32.5	33.2	34.2	34.8	35.1	36.4	36.9	37.2	37.8	38.4	39.6	40.4
GE 9000	23.6	24.1	28.6	30.1	33.4	34.1	35.2	35.9	36.2	37.5	38.0	38.3	38.8	39.4	40.7	41.6
GE 8000	25.4	25.9	30.6	32.2	35.7	36.5	37.6	38.4	38.7	40.0	40.5	40.8	41.4	42.0	43.2	44.1
GE 7000	25.9	26.4	31.2	32.8	36.4	37.2	38.3	39.1	39.4	40.7	41.2	41.5	42.1	42.7	43.9	44.8
GE 6000	26.2	26.7	31.5	33.1	36.7	37.5	38.7	39.4	39.7	41.1	41.6	42.0	42.5	43.1	44.3	45.2
GE 5000	28.1	28.6	33.9	35.5	39.2	40.1	41.4	42.2	42.5	43.9	44.5	44.8	45.4	46.0	47.2	48.1
GE 4500	31.3	31.9	37.9	39.7	43.7	44.8	46.0	46.8	47.1	48.6	49.2	49.5	50.1	50.7	52.0	52.9
GE 4000	36.2	36.8	43.4	45.2	49.7	50.9	52.3	53.1	53.4	55.0	55.5	55.9	56.5	57.1	58.3	59.2
GE 3500	38.5	39.2	46.5	48.4	53.2	54.4	55.9	56.8	57.1	58.7	59.3	59.7	60.3	60.9	62.1	63.0
GE 3000	43.2	44.0	52.2	54.2	59.6	60.9	62.5	63.6	64.1	65.8	66.5	66.9	67.6	68.2	69.5	70.4
GE 2500	45.4	46.3	55.0	57.3	62.8	64.3	65.9	67.1	67.6	69.3	70.1	70.5	71.1	71.8	73.0	74.0
GE 2000	48.2	49.2	58.4	61.1	66.8	68.3	70.1	71.4	72.0	73.7	74.5	74.9	75.5	76.2	77.4	78.4
GE 1800	48.5	49.5	58.8	61.5	67.3	68.9	70.7	72.0	72.6	74.4	75.1	75.5	76.1	76.8	78.1	79.0
GE 1500	50.3	51.3	61.4	64.3	70.7	72.4	74.4	75.9	76.6	78.4	79.2	79.6	80.2	80.8	82.1	83.0
GE 1200	51.4	52.4	63.2	66.1	73.3	75.2	77.2	78.9	79.6	81.5	82.3	82.7	83.3	84.0	85.3	86.2
GE 1000	51.8	52.9	64.2	67.2	74.7	76.9	79.1	80.8	81.6	83.7	84.6	85.0	85.6	86.3	87.5	88.5
GE 900	52.0	53.0	64.4	67.5	75.4	77.6	79.9	81.8	82.6	84.8	85.6	86.0	86.6	87.3	88.5	89.5
GE 800	52.2	53.3	65.1	68.2	76.2	78.5	80.8	83.0	83.8	86.1	87.0	87.4	88.0	88.7	89.9	90.9
GE 700	52.4	53.5	65.3	68.5	76.8	79.2	81.8	84.2	85.0	87.4	88.3	88.8	89.4	90.1	91.4	92.3
GE 600	52.4	53.5	65.4	68.6	77.1	79.6	82.6	85.1	86.0	88.5	89.4	89.9	90.6	91.3	92.6	93.5
GE 500	52.4	53.5	65.4	68.6	77.1	79.6	82.7	85.2	86.3	89.0	90.0	90.5	91.2	91.8	93.1	94.2
GE 400	52.4	53.5	65.4	68.6	77.1	79.7	82.8	85.5	86.6	89.4	90.5	91.0	91.8	92.5	93.8	95.1
GE 300	52.4	53.5	65.4	68.6	77.1	79.7	82.9	85.7	86.8	89.7	90.9	91.4	92.2	93.0	94.5	96.6
GE 200	52.4	53.5	65.4	68.6	77.1	79.7	82.9	85.7	86.8	89.7	91.0	91.7	92.5	93.5	95.1	98.2
GE 100	52.4	53.5	65.4	68.6	77.1	79.7	82.9	85.7	86.8	89.8	91.1	91.8	92.6	93.7	95.6	99.3
GE 000	52.4	53.5	65.4	68.6	77.1	79.7	82.9	85.7	86.8	89.8	91.2	91.9	92.7	93.7	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.7	13.9	16.7	17.8	19.8	21.4	22.2	22.6	22.8	24.4	24.8	25.6	25.9	26.9	27.3	27.7
GE 20000	14.6	14.9	17.8	18.9	20.9	22.5	23.4	23.7	23.9	25.6	26.1	27.0	27.4	28.4	28.7	29.3
GE 18000	14.6	14.9	17.8	18.9	20.9	22.5	23.4	23.7	23.9	25.6	26.1	27.0	27.4	28.4	28.7	29.3
GE 16000	14.6	14.9	17.8	18.9	20.9	22.5	23.4	23.7	23.9	25.6	26.1	27.0	27.4	28.4	28.7	29.3
GE 14000	14.6	14.9	17.8	18.9	20.9	22.5	23.4	23.7	23.9	25.6	26.1	27.0	27.4	28.4	28.7	29.3
GE 12000	14.7	15.0	17.9	19.0	21.0	22.6	23.5	23.8	24.0	25.7	26.3	27.1	27.5	28.5	28.8	29.4
GE 10000	15.6	15.9	18.8	20.0	22.2	23.8	24.7	25.1	25.4	27.0	27.6	28.7	29.0	30.0	30.4	30.9
GE 9000	15.6	15.9	18.8	20.0	22.2	23.8	24.7	25.1	25.4	27.0	27.6	28.7	29.0	30.0	30.4	30.9
GE 8000	15.8	16.1	19.0	20.4	22.8	24.7	25.7	26.3	26.5	28.1	28.7	29.8	30.1	31.5	31.8	32.4
GE 7000	16.2	16.6	19.5	20.8	23.2	25.1	26.1	26.7	26.9	28.6	29.1	30.3	30.6	31.9	32.3	32.8
GE 6000	16.8	17.1	20.0	21.5	24.1	26.0	27.0	27.7	27.9	29.6	30.1	31.3	31.6	32.9	33.3	33.8
GE 5000	18.9	19.2	22.2	23.8	26.9	28.8	30.1	30.9	31.1	32.8	33.4	34.5	34.8	36.2	36.5	37.0
GE 4500	22.2	22.6	25.6	27.1	30.3	32.1	33.8	34.8	35.0	36.7	37.3	38.4	38.7	40.0	40.4	40.9
GE 4000	24.8	25.3	28.5	30.0	33.7	35.6	37.3	38.3	38.5	40.2	40.7	41.8	42.2	43.5	43.8	44.4
GE 3500	28.7	29.4	32.9	34.5	38.3	40.2	41.8	42.8	43.0	44.7	45.3	46.4	46.7	48.1	48.4	48.9
GE 3000	32.6	33.4	37.7	39.4	43.4	45.3	47.2	48.2	48.5	50.2	50.7	51.8	52.2	53.5	53.8	54.4
GE 2500	34.3	35.0	39.6	41.3	45.4	47.4	49.3	50.3	50.6	52.3	52.8	53.9	54.3	55.6	56.0	56.5
GE 2000	39.4	40.2	45.7	47.6	52.4	54.4	56.3	57.3	57.8	59.5	60.1	61.2	61.5	62.8	63.2	63.7
GE 1800	40.4	41.2	47.2	49.3	54.2	56.2	58.3	59.3	59.8	61.5	62.1	63.2	63.5	64.8	65.3	65.9
GE 1500	43.2	44.0	50.6	52.7	58.6	60.8	63.2	64.8	65.5	67.2	67.7	69.0	69.3	70.6	71.1	71.6
GE 1200	44.9	45.8	52.8	54.9	61.3	63.5	66.1	68.1	69.0	70.7	71.3	72.5	72.9	74.2	74.6	75.2
GE 1000	46.4	47.4	55.4	57.6	64.4	67.0	69.5	72.0	73.1	74.9	75.5	76.8	77.1	78.4	78.9	79.4
GE 900	47.3	48.3	56.5	58.7	65.5	68.1	70.6	73.1	74.3	76.1	76.8	78.0	78.3	79.6	80.1	80.6
GE 800	47.6	48.6	57.2	59.5	66.6	69.4	72.0	74.4	75.6	77.6	78.3	79.6	80.0	81.3	81.8	82.3
GE 700	47.7	48.7	57.4	59.7	66.9	69.7	72.6	75.1	76.4	78.5	79.2	80.5	80.9	82.2	82.6	83.2
GE 600	47.7	48.7	57.4	59.7	67.0	69.9	72.7	75.8	77.3	79.4	80.1	81.4	81.8	83.1	83.5	84.1
GE 500	47.7	48.7	57.4	59.7	67.0	70.0	73.2	76.6	78.8	81.8	82.5	83.9	84.2	85.9	86.4	87.2
GE 400	47.7	48.7	57.4	59.7	67.2	70.2	74.1	78.5	80.6	84.0	84.8	86.1	86.5	88.2	89.1	90.0
GE 300	47.7	48.7	57.4	59.7	67.2	70.2	74.2	79.4	81.5	85.4	86.5	88.0	88.4	90.4	91.7	93.1
GE 200	47.7	48.7	57.4	59.7	67.2	70.2	74.2	79.9	82.0	86.2	87.7	89.3	90.0	92.4	94.3	96.3
GE 100	47.7	48.7	57.4	59.7	67.2	70.2	74.2	79.9	82.1	86.3	87.8	89.5	90.5	93.3	96.0	99.8
GE 000	47.7	48.7	57.4	59.7	67.2	70.2	74.2	79.9	82.1	86.3	87.8	89.5	90.5	93.4	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE N

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.0	12.3	14.2	15.0	16.7	17.7	19.0	19.6	20.0	21.6	21.7	22.0	22.6	22.8	23.9	24.3
GE 20000	12.7	13.0	15.0	15.8	17.4	18.4	19.8	20.3	20.8	22.3	22.7	23.0	23.6	23.8	25.0	25.6
GE 18000	12.7	13.0	15.0	15.8	17.4	18.4	19.8	20.3	20.8	22.3	22.7	23.0	23.6	23.8	25.0	25.6
GE 16000	12.7	13.0	15.0	15.8	17.4	18.4	19.8	20.3	20.8	22.3	22.7	23.0	23.6	23.8	25.0	25.6
GE 14000	12.7	13.0	15.0	15.8	17.4	18.4	19.8	20.3	20.8	22.3	22.7	23.0	23.6	23.8	25.0	25.6
GE 12000	12.7	13.0	15.0	15.8	17.4	18.4	19.8	20.3	20.8	22.3	22.7	23.0	23.6	23.8	25.0	25.6
GE 10000	13.4	13.8	15.8	16.6	18.2	19.2	20.6	21.1	21.6	23.1	23.4	23.8	24.3	24.6	26.0	26.6
GE 9000	13.7	14.0	16.0	16.8	18.4	19.4	20.8	21.3	21.8	23.3	23.7	24.0	24.6	24.8	26.2	26.8
GE 8000	14.0	14.3	16.3	17.1	18.9	20.0	21.7	22.2	22.7	24.2	24.6	24.9	25.4	25.8	27.2	27.8
GE 7000	14.1	14.4	16.6	17.3	19.1	20.2	21.9	22.4	22.9	24.4	24.8	25.1	25.7	26.0	27.4	28.0
GE 6000	14.4	14.8	17.2	18.0	19.8	20.9	22.6	23.2	23.7	25.2	25.6	25.9	26.4	26.8	28.2	28.8
GE 5000	15.1	15.4	18.0	19.1	21.2	22.3	24.0	25.1	25.6	27.1	27.4	27.8	28.4	28.8	30.2	30.8
GE 4500	17.2	17.6	20.2	21.3	23.4	25.1	27.1	28.4	28.9	30.4	30.8	31.1	31.8	32.1	33.6	34.1
GE 4000	20.6	21.0	23.9	25.0	27.8	29.4	31.4	32.8	33.2	34.8	35.1	35.4	36.1	36.4	37.9	38.4
GE 3500	23.3	23.9	27.3	28.4	31.2	33.1	35.1	36.4	36.9	38.4	38.8	39.1	39.8	40.1	41.6	42.1
GE 3000	27.7	28.4	32.9	34.0	36.8	38.7	40.8	42.3	42.9	44.4	44.8	45.1	45.8	46.1	47.6	48.1
GE 2500	29.8	30.6	35.2	36.3	39.1	41.0	43.1	44.7	45.2	46.8	47.1	47.4	48.1	48.4	49.9	50.4
GE 2000	34.4	35.2	40.6	42.0	45.1	47.1	49.3	51.1	51.9	53.4	53.8	54.1	54.8	55.1	56.6	57.1
GE 1800	35.3	36.1	41.6	43.0	46.2	48.2	50.7	52.4	53.2	54.8	55.1	55.4	56.1	56.4	57.9	58.4
GE 1500	38.6	39.4	45.7	47.1	51.6	54.0	56.7	58.8	59.9	61.7	62.0	62.3	63.0	63.4	64.9	65.4
GE 1200	41.0	41.9	48.8	50.3	55.1	57.6	60.4	62.7	63.9	65.8	66.1	66.4	67.1	67.6	69.0	69.6
GE 1000	42.8	43.7	52.6	54.3	59.4	62.0	65.0	67.8	69.2	71.3	71.7	72.0	72.7	73.1	74.6	75.1
GE 900	43.9	44.8	53.9	55.7	60.9	63.4	66.6	69.3	71.0	73.1	73.4	73.8	74.4	74.9	76.3	76.9
GE 800	43.9	44.8	53.9	55.8	61.0	63.6	67.1	69.9	71.6	74.2	74.6	74.9	75.6	76.0	77.4	78.0
GE 700	43.9	44.8	54.0	55.9	61.1	63.9	68.1	71.1	72.8	75.8	76.1	76.6	77.2	77.7	79.1	79.7
GE 600	43.9	44.8	54.0	55.9	61.1	63.9	68.1	71.4	73.6	76.6	77.1	77.6	78.2	78.7	80.2	80.8
GE 500	43.9	44.8	54.0	55.9	61.1	64.0	68.7	73.1	75.3	79.1	79.9	80.3	81.1	81.9	83.4	84.0
GE 400	43.9	44.8	54.0	55.9	61.4	64.3	69.7	74.6	76.9	81.1	81.9	82.3	83.2	84.0	85.9	86.8
GE 300	43.9	44.8	54.0	55.9	61.4	64.3	69.7	75.1	78.0	82.9	84.2	84.7	85.7	86.8	89.1	91.2
GE 200	43.9	44.8	54.0	55.9	61.4	64.3	69.7	75.2	78.1	83.3	84.9	85.8	87.1	88.7	92.4	95.0
GE 100	43.9	44.8	54.0	55.9	61.4	64.3	69.7	75.2	78.1	83.3	84.9	86.1	87.6	89.6	94.8	99.7
GE 000	43.9	44.8	54.0	55.9	61.4	64.3	69.7	75.2	78.1	83.3	85.0	86.2	87.7	89.9	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.6	9.7	12.3	12.8	14.6	14.9	15.6	16.0	16.8	17.2	17.4	17.4	17.7	18.0	18.6	19.3
GE 20000	10.2	10.3	13.0	13.4	15.4	15.8	16.4	17.0	17.8	18.3	18.6	18.6	18.8	19.1	19.9	20.8
GE 18000	10.2	10.3	13.0	13.4	15.4	15.8	16.4	17.0	17.8	18.3	18.6	18.6	18.8	19.1	19.9	20.8
GE 16000	10.2	10.3	13.0	13.4	15.4	15.8	16.4	17.0	17.8	18.3	18.6	18.6	18.8	19.1	19.9	20.8
GE 14000	10.4	10.6	13.2	13.7	15.7	16.0	16.7	17.2	18.0	18.6	18.8	18.8	19.0	19.3	20.1	21.0
GE 12000	10.4	10.6	13.2	13.7	15.7	16.0	16.7	17.2	18.0	18.6	18.8	18.8	19.0	19.3	20.1	21.0
GE 10000	11.0	11.1	13.8	14.2	16.2	16.6	17.3	17.9	18.7	19.2	19.4	19.4	19.8	20.1	20.9	21.8
GE 9000	11.3	11.4	14.1	14.6	16.6	17.0	17.8	18.3	19.1	19.8	20.1	20.1	20.4	20.8	21.6	22.4
GE 8000	12.2	12.4	15.2	15.7	17.7	18.1	19.0	19.6	20.4	21.3	21.7	21.7	22.0	22.3	23.1	24.0
GE 7000	12.3	12.6	15.3	15.8	17.8	18.2	19.1	19.7	20.6	21.4	21.8	21.8	22.2	22.6	23.4	24.3
GE 6000	12.6	12.8	15.6	16.0	18.0	18.6	19.4	20.0	20.9	21.8	22.1	22.1	22.6	22.9	23.8	24.7
GE 5000	13.9	14.1	17.1	17.8	20.1	20.9	21.9	22.5	23.4	24.3	24.7	24.9	25.3	25.8	26.7	27.6
GE 4500	16.0	16.2	19.2	19.9	22.7	23.9	24.9	25.7	26.6	27.4	27.8	28.0	28.6	29.0	29.9	30.8
GE 4000	18.6	18.9	22.1	22.9	26.3	27.7	28.8	29.8	30.8	31.7	32.2	32.4	33.0	33.4	34.3	35.2
GE 3500	21.1	21.7	26.0	26.8	30.6	32.1	33.3	34.3	35.3	36.2	36.8	37.0	37.6	38.0	38.9	39.8
GE 3000	24.8	25.7	30.4	31.3	35.4	37.1	38.7	39.8	40.8	41.8	42.3	42.7	43.2	43.7	44.6	45.4
GE 2500	26.9	27.8	32.8	33.8	38.0	39.7	41.2	42.4	43.4	44.4	45.0	45.3	45.9	46.3	47.2	48.1
GE 2000	30.4	31.4	37.8	39.1	43.7	45.4	47.1	48.3	49.4	50.4	51.0	51.3	51.9	52.3	53.2	54.1
GE 1800	31.4	32.4	38.9	40.2	44.8	46.6	48.2	49.6	50.7	51.7	52.2	52.6	53.1	53.6	54.4	55.3
GE 1500	34.7	35.8	42.8	44.6	50.0	52.4	54.3	55.9	57.2	58.4	59.1	59.4	60.0	60.4	61.3	62.2
GE 1200	36.9	38.0	45.7	47.8	53.3	55.9	58.0	59.9	61.3	62.8	63.4	63.8	64.3	64.8	65.7	66.6
GE 1000	38.6	39.7	48.8	51.0	57.1	59.9	62.3	64.3	66.0	67.6	68.4	68.9	69.6	70.0	71.0	71.9
GE 900	38.9	40.0	49.7	51.9	58.7	61.4	64.0	66.1	67.9	69.7	70.7	71.1	71.8	72.2	73.2	74.1
GE 800	39.0	40.1	50.1	52.4	59.9	62.8	65.9	68.3	70.1	72.3	73.6	74.1	74.8	75.2	76.2	77.1
GE 700	39.2	40.3	50.7	53.0	60.7	63.6	67.0	69.4	71.2	73.6	74.8	75.3	76.0	76.6	77.7	78.6
GE 600	39.2	40.3	50.8	53.1	61.1	64.0	67.4	69.9	71.8	74.3	75.7	76.2	77.0	77.6	78.8	79.7
GE 500	39.2	40.3	50.8	53.1	61.2	64.1	68.2	71.1	73.0	76.2	78.2	78.9	79.7	80.7	81.9	82.9
GE 400	39.2	40.3	50.8	53.1	61.2	64.1	68.6	72.1	74.3	78.3	80.8	81.8	82.7	83.9	85.7	86.8
GE 300	39.2	40.3	50.8	53.1	61.3	64.2	68.7	72.7	74.9	77.4	82.4	83.4	84.4	85.8	88.2	90.8
GE 200	39.2	40.3	50.8	53.1	61.3	64.2	68.7	72.7	74.9	79.8	83.9	85.6	86.7	88.3	92.0	96.4
GE 100	39.2	40.3	50.8	53.1	61.3	64.2	68.7	72.7	75.0	79.9	84.0	85.9	87.0	88.8	93.6	99.7
GE 000	39.2	40.3	50.8	53.1	61.3	64.2	68.7	72.7	75.0	79.9	84.0	85.9	87.2	89.0	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.9	9.2	11.2	11.9	13.6	14.0	15.0	15.6	15.8	16.8	17.1	17.2	17.3	17.3	17.8	18.2
GE 20000	10.2	10.7	13.0	13.8	15.6	16.0	17.1	17.8	18.3	19.4	19.8	19.9	20.0	20.0	20.4	20.9
GE 18000	10.2	10.7	13.0	13.8	15.6	16.0	17.1	17.8	18.3	19.4	19.8	19.9	20.0	20.0	20.4	20.9
GE 16000	10.2	10.7	13.0	13.8	15.6	16.0	17.1	17.8	18.3	19.4	19.8	19.9	20.0	20.0	20.4	20.9
GE 14000	10.3	10.8	13.1	13.9	15.7	16.1	17.2	17.9	18.4	19.6	19.9	20.0	20.1	20.1	20.6	21.0
GE 12000	10.7	11.1	13.6	14.3	16.1	16.6	17.7	18.3	18.9	20.1	20.4	20.6	20.7	20.7	21.1	21.6
GE 10000	10.9	11.4	14.1	15.0	16.8	17.6	19.0	19.7	20.2	21.8	22.2	22.4	22.6	22.6	23.0	23.4
GE 9000	11.3	12.0	14.7	15.6	17.3	18.1	19.7	20.3	21.0	22.7	23.1	23.3	23.4	23.4	23.9	24.3
GE 8000	12.7	13.4	16.3	17.2	19.0	19.9	21.4	22.3	23.0	24.7	25.1	25.3	25.4	25.4	25.9	26.3
GE 7000	13.1	13.9	16.9	17.8	19.7	20.7	22.2	23.2	23.9	25.6	26.0	26.2	26.3	26.3	26.8	27.2
GE 6000	13.1	13.9	16.9	18.0	20.0	21.1	22.7	23.7	24.3	26.0	26.4	26.7	26.8	26.8	27.2	27.7
GE 5000	14.6	15.3	18.9	20.2	22.8	24.0	25.9	27.2	27.9	29.8	30.7	30.4	30.6	30.6	31.0	31.4
GE 4500	16.1	16.9	20.7	22.4	25.4	26.8	28.8	30.2	30.9	32.8	33.3	33.6	33.7	33.7	34.2	34.7
GE 4000	18.7	19.7	24.0	25.8	28.9	30.3	32.6	34.2	34.9	37.0	37.6	37.8	37.9	38.1	38.7	39.1
GE 3500	21.4	22.6	27.8	29.6	33.0	34.7	37.2	38.9	39.6	41.8	42.3	42.6	42.7	42.9	43.4	43.9
GE 3000	26.4	27.8	33.2	35.0	38.9	40.6	43.3	45.2	46.0	48.3	48.9	49.1	49.2	49.4	50.0	50.4
GE 2500	28.6	29.9	35.7	37.7	41.9	43.6	46.3	48.2	49.0	51.3	52.0	52.2	52.3	52.6	53.1	53.6
GE 2000	31.0	32.4	39.2	41.7	46.8	48.6	51.3	53.2	54.0	56.4	57.1	57.3	57.4	57.7	58.2	58.7
GE 1800	32.6	34.0	40.9	43.3	48.6	50.4	53.2	55.1	56.0	58.4	59.1	59.3	59.4	59.7	60.2	60.7
GE 1500	35.0	36.4	45.0	47.7	54.0	56.2	59.3	61.4	62.3	65.6	66.3	66.6	66.7	66.9	67.4	67.9
GE 1200	36.0	37.4	46.8	49.9	56.8	59.0	62.4	64.6	65.4	68.8	69.7	70.0	70.4	70.7	71.2	71.7
GE 1000	37.0	38.6	48.8	51.9	60.1	62.3	66.1	68.4	69.4	72.9	74.0	74.3	74.8	75.0	75.8	76.2
GE 900	37.2	38.8	49.3	52.6	60.9	63.2	67.1	69.6	70.6	74.2	75.4	75.8	76.2	76.4	77.2	77.7
GE 800	37.6	39.1	50.0	53.3	62.0	64.3	68.8	71.4	72.9	76.9	78.1	78.4	78.9	79.1	79.9	80.3
GE 700	37.7	39.2	50.1	53.6	62.6	65.1	70.2	73.0	74.8	78.8	80.1	80.4	81.0	81.2	82.0	82.4
GE 600	37.7	39.2	50.1	53.7	62.9	65.4	71.1	74.0	76.0	80.1	81.4	81.8	82.3	82.6	83.4	83.9
GE 500	37.7	39.2	50.1	53.7	63.2	65.9	72.1	75.4	77.7	82.6	84.0	84.8	85.6	85.9	86.8	87.2
GE 400	37.7	39.2	50.1	53.7	63.2	66.0	72.3	76.1	78.7	83.9	85.8	86.6	87.6	87.9	88.9	89.7
GE 300	37.7	39.2	50.1	53.7	63.2	66.0	72.3	76.4	79.4	85.2	87.4	88.7	90.1	90.8	92.1	93.9
GE 200	37.7	39.2	50.1	53.7	63.2	66.0	72.3	76.4	79.9	85.8	88.3	90.0	91.4	92.6	94.6	97.9
GE 100	37.7	39.2	50.1	53.7	63.2	66.0	72.3	76.4	79.9	85.8	88.3	90.0	91.6	92.9	95.7	99.8
GE 000	37.7	39.2	50.1	53.7	63.2	66.0	72.3	76.4	79.9	85.8	88.3	90.0	91.6	92.9	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.3	14.3	17.2	18.3	21.2	22.0	22.4	22.4	22.6	22.7	22.7	22.8	22.9	22.9	22.9	23.0
GE 20000	16.3	16.3	19.7	20.9	24.2	25.1	25.6	25.6	25.7	25.8	25.9	26.0	26.1	26.1	26.1	26.2
GE 18000	16.3	16.3	19.7	20.9	24.2	25.1	25.6	25.6	25.7	25.8	25.9	26.0	26.1	26.1	26.1	26.2
GE 16000	16.3	16.3	19.7	20.9	24.2	25.1	25.6	25.6	25.7	25.8	25.9	26.0	26.1	26.1	26.1	26.2
GE 14000	16.3	16.3	19.7	20.9	24.2	25.1	25.6	25.6	25.7	25.8	25.9	26.0	26.1	26.1	26.1	26.2
GE 12000	16.7	16.7	20.1	21.3	24.7	25.6	26.0	26.0	26.1	26.2	26.3	26.4	26.6	26.6	26.6	26.7
GE 10000	17.4	17.6	21.2	22.4	25.8	27.0	27.7	27.7	27.8	27.9	28.0	28.1	28.2	28.2	28.2	28.3
GE 9000	18.1	18.2	21.9	23.2	26.6	27.8	28.4	28.4	28.7	28.8	28.9	29.0	29.1	29.1	29.1	29.2
GE 8000	20.4	20.6	24.7	26.1	29.4	30.9	31.6	31.6	31.8	31.9	32.0	32.1	32.2	32.2	32.2	32.3
GE 7000	21.2	21.3	25.6	27.0	30.4	31.9	32.7	32.7	32.9	33.0	33.1	33.2	33.3	33.3	33.3	33.4
GE 6000	21.6	21.7	26.2	27.8	31.2	32.7	33.4	33.4	33.7	33.8	33.9	34.0	34.1	34.1	34.1	34.2
GE 5000	22.4	22.7	27.9	29.6	33.2	34.8	35.7	35.8	36.0	36.1	36.2	36.3	36.4	36.4	36.4	36.6
GE 4500	24.3	24.8	30.6	32.3	36.6	38.1	39.0	39.1	39.3	39.4	39.6	39.7	39.8	39.9	40.0	40.1
GE 4000	28.3	28.9	35.0	36.8	41.0	42.8	43.7	43.8	44.0	44.1	44.2	44.3	44.4	44.6	44.7	44.8
GE 3500	31.7	32.7	39.0	40.8	45.6	47.4	48.3	48.4	48.7	48.8	48.9	49.1	49.2	49.3	49.4	49.6
GE 3000	37.7	38.7	45.6	47.4	52.9	54.8	55.9	56.2	56.4	56.7	56.8	57.0	57.1	57.2	57.3	57.4
GE 2500	39.9	40.9	48.1	50.0	55.7	57.7	58.8	59.1	59.3	59.6	59.7	59.9	60.0	60.1	60.2	60.3
GE 2000	43.4	44.4	52.3	54.4	60.3	62.3	63.4	63.8	64.0	64.2	64.3	64.6	64.7	64.8	64.9	65.0
GE 1800	44.6	45.6	53.7	55.8	61.7	63.8	65.0	65.3	65.6	65.8	65.9	66.1	66.2	66.3	66.4	66.6
GE 1500	47.6	48.6	58.4	60.6	67.3	70.2	71.6	72.0	72.2	72.8	72.9	73.2	73.3	73.4	73.6	73.7
GE 1200	48.8	49.8	59.9	62.2	70.0	73.6	75.2	75.8	76.0	77.0	77.1	77.8	77.9	78.0	78.1	78.2
GE 1000	49.2	50.2	60.8	63.4	73.4	77.6	79.4	80.1	80.3	81.3	81.4	82.1	82.2	82.3	82.4	82.5
GE 900	49.4	50.4	61.1	63.9	74.1	78.6	80.6	81.2	81.4	82.6	82.7	83.3	83.4	83.6	83.7	83.8
GE 800	50.2	51.2	61.9	64.8	75.2	79.7	81.7	82.7	83.2	84.6	84.7	85.3	85.4	85.6	85.7	85.8
GE 700	50.2	51.2	61.9	64.8	75.4	80.2	83.4	84.6	85.4	86.9	87.1	87.8	87.9	88.1	88.2	88.3
GE 600	50.3	51.3	62.0	64.9	76.2	81.1	84.9	86.0	87.1	89.0	89.2	90.2	90.3	90.6	90.7	90.8
GE 500	50.3	51.3	62.0	65.2	76.9	81.9	86.1	88.4	89.7	92.2	92.4	93.4	93.9	94.1	94.2	94.3
GE 400	50.3	51.3	62.0	65.2	76.9	81.9	86.6	89.0	90.6	93.6	94.2	95.2	95.7	95.9	96.3	96.6
GE 300	50.3	51.3	62.0	65.2	76.9	81.9	86.6	89.0	90.8	94.7	96.1	97.4	98.0	98.2	98.7	99.3
GE 200	50.3	51.3	62.0	65.2	76.9	81.9	86.6	89.0	90.8	94.7	96.1	97.4	98.0	98.2	98.7	99.8
GE 100	50.3	51.3	62.0	65.2	76.9	81.9	86.6	89.0	90.8	94.7	96.1	97.4	98.0	98.2	98.9	100.0
GE 000	50.3	51.3	62.0	65.2	76.9	81.9	86.6	89.0	90.8	94.7	96.1	97.4	98.0	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 10610

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.4	21.8	24.4	25.3	28.2	28.7	28.7	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0
GE 20000	24.9	25.4	28.6	29.4	32.8	33.4	33.4	33.6	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 18000	24.9	25.4	28.9	29.8	33.1	33.8	33.8	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 16000	24.9	25.4	28.9	29.8	33.1	33.8	33.8	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 14000	24.9	25.4	28.9	29.8	33.1	33.8	33.8	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 12000	25.4	26.0	29.4	30.4	33.8	34.4	34.4	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 10000	26.0	26.7	30.4	31.4	34.9	35.7	35.7	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 9000	26.9	27.7	31.4	32.4	36.0	36.8	36.8	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 8000	28.7	29.6	33.3	34.3	38.2	39.2	39.2	39.3	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 7000	29.2	30.1	33.9	34.9	38.8	39.8	39.8	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 6000	29.6	30.6	34.7	35.7	39.6	40.7	40.7	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 5000	30.2	31.2	35.9	37.0	41.4	42.7	42.7	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 4500	32.9	33.9	39.1	40.2	44.7	46.0	46.1	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 4000	36.0	37.1	42.9	44.1	48.8	50.1	50.2	50.3	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 3500	40.4	41.6	47.9	49.3	54.1	55.7	55.8	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 3000	46.3	47.6	54.7	56.3	61.7	63.8	63.9	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 2500	48.6	49.9	57.8	59.4	65.1	67.2	67.3	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 2000	51.7	53.0	61.7	63.8	70.3	72.6	72.7	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 1800	52.6	53.9	62.9	65.0	71.6	73.8	73.9	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 1500	54.9	56.2	65.7	68.0	75.6	77.8	77.9	78.2	78.3	78.8	78.8	79.0	79.0	79.0	79.0	79.0
GE 1200	55.6	56.9	67.0	69.3	78.6	81.1	81.2	81.6	81.7	82.6	82.8	83.0	83.0	83.0	83.0	83.0
GE 1000	55.7	57.0	67.6	70.1	80.9	83.9	84.7	85.0	85.2	86.2	86.6	86.8	86.8	86.8	86.8	86.8
GE 900	55.7	57.0	67.6	70.4	81.6	85.2	86.1	86.8	87.0	88.1	88.4	88.7	88.7	88.7	88.7	88.7
GE 800	55.7	57.0	68.4	71.4	82.9	86.6	87.4	88.2	88.8	90.1	90.4	90.7	90.7	90.7	90.7	90.7
GE 700	55.7	57.0	68.7	71.7	83.8	87.6	89.2	90.6	91.6	92.9	93.2	93.4	93.4	93.4	93.4	93.4
GE 600	55.7	57.0	68.7	71.7	84.1	88.0	89.8	91.2	92.6	94.1	94.8	95.4	95.4	95.4	95.4	95.4
GE 500	55.7	57.0	68.7	71.8	84.3	88.2	90.0	91.6	93.1	94.7	95.3	96.0	96.0	96.0	96.0	96.0
GE 400	55.7	57.0	68.7	71.8	84.3	88.2	90.1	91.7	93.6	95.6	96.2	97.0	97.1	97.1	97.7	97.8
GE 300	55.7	57.0	68.7	71.8	84.3	88.2	90.1	91.7	93.9	96.7	97.6	98.7	98.8	98.8	99.3	99.4
GE 200	55.7	57.0	68.7	71.8	84.3	88.2	90.1	91.7	93.9	96.8	97.7	98.8	98.9	98.9	99.4	99.7
GE 100	55.7	57.0	68.7	71.8	84.3	88.2	90.1	91.7	93.9	96.8	97.7	98.8	98.9	98.9	99.4	99.9
GE 000	55.7	57.0	68.7	71.8	84.3	88.3	90.2	91.8	94.0	96.9	97.8	98.9	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.2	21.3	25.1	25.9	27.8	28.7	29.8	30.4	30.4	30.8	31.0	31.0	31.0	31.2	31.6	31.8
GE 20000	21.6	22.8	26.7	27.6	29.7	30.7	31.8	32.4	32.4	32.8	33.2	33.2	33.2	33.4	33.8	34.0
GE 18000	21.6	22.8	26.7	27.7	29.9	30.9	32.0	32.7	32.7	33.0	33.4	33.4	33.4	33.7	34.0	34.2
GE 16000	21.6	22.8	26.7	27.7	29.9	30.9	32.0	32.7	32.7	33.0	33.4	33.4	33.4	33.7	34.0	34.2
GE 14000	21.6	22.8	26.7	27.7	29.9	30.9	32.0	32.7	32.7	33.0	33.4	33.4	33.4	33.7	34.0	34.2
GE 12000	21.7	22.9	26.8	27.8	30.0	31.0	32.1	32.8	32.8	33.1	33.6	33.6	33.6	33.8	34.1	34.3
GE 10000	23.1	24.3	28.3	29.3	31.8	32.8	33.9	34.7	34.7	35.0	35.4	35.4	35.4	35.7	36.0	36.2
GE 9000	23.2	24.4	28.6	29.6	32.0	33.0	34.1	34.9	34.9	35.2	35.7	35.7	35.7	35.9	36.2	36.4
GE 8000	25.1	26.4	30.8	31.8	34.7	35.7	36.8	37.6	37.6	37.9	38.3	38.3	38.3	38.6	38.9	39.1
GE 7000	25.7	27.0	31.3	32.3	35.3	36.3	37.4	38.2	38.2	38.6	39.0	39.0	39.0	39.2	39.6	39.8
GE 6000	26.1	27.4	31.8	32.8	35.8	36.9	38.0	38.8	38.8	39.1	39.6	39.6	39.6	39.8	40.1	40.3
GE 5000	27.3	28.8	33.4	34.4	37.4	39.1	40.2	41.0	41.0	41.3	41.8	41.8	41.8	42.0	42.3	42.6
GE 4500	31.0	32.4	38.0	39.0	42.1	43.8	45.0	45.8	45.8	46.1	46.6	46.6	46.6	46.8	47.1	47.3
GE 4000	33.9	35.4	41.4	42.8	46.2	47.9	49.1	50.1	50.1	50.4	50.9	50.9	50.9	51.1	51.4	51.7
GE 3500	37.2	38.9	45.2	46.8	50.2	52.0	53.2	54.2	54.2	54.6	55.0	55.0	55.0	55.2	55.6	55.8
GE 3000	43.6	45.3	53.2	54.8	58.6	60.7	61.9	62.9	62.9	63.2	63.7	63.7	63.7	63.9	64.2	64.4
GE 2500	46.3	48.2	56.8	58.6	62.6	64.7	66.0	67.1	67.2	67.7	68.1	68.1	68.1	68.3	68.7	68.9
GE 2000	49.9	51.8	60.8	62.8	67.4	69.7	71.0	72.1	72.2	72.9	73.3	73.3	73.4	73.7	74.0	74.2
GE 1800	50.9	52.8	61.9	64.0	68.8	71.0	72.3	73.4	73.6	74.2	74.7	74.7	74.8	75.0	75.3	75.6
GE 1500	52.8	54.7	64.4	66.6	72.3	75.1	76.4	77.7	77.8	78.8	79.2	79.2	79.5	79.6	79.9	80.1
GE 1200	53.2	55.1	64.9	67.2	74.1	77.2	78.8	80.0	80.4	81.4	81.9	81.9	82.0	82.2	82.6	82.8
GE 1000	53.7	55.6	65.4	67.8	75.3	78.4	80.9	82.2	82.7	84.0	84.7	84.7	84.8	85.0	85.3	85.6
GE 900	53.8	55.7	66.6	67.9	76.1	79.4	81.9	83.2	84.2	85.6	86.2	86.2	86.3	86.6	86.9	87.1
GE 800	54.2	56.1	67.0	69.3	77.6	81.2	84.1	85.8	86.9	88.2	88.9	88.9	89.0	89.2	89.6	89.8
GE 700	54.2	56.1	67.1	69.4	77.8	81.4	84.6	86.8	88.0	89.3	90.0	90.0	90.1	90.3	90.7	90.9
GE 600	54.2	56.1	67.1	69.4	78.0	81.7	84.8	87.0	89.2	91.1	92.1	92.2	92.3	92.6	92.9	93.1
GE 500	54.2	56.1	67.1	69.4	78.0	81.8	85.2	87.7	90.1	92.0	93.0	93.1	93.2	93.4	93.8	94.2
GE 400	54.2	56.1	67.1	69.4	78.0	81.9	85.6	88.0	90.4	92.6	93.8	94.2	94.4	94.9	95.3	96.1
GE 300	54.3	56.2	67.2	69.6	78.1	82.0	85.8	88.2	91.0	93.9	95.1	95.9	96.1	96.6	97.0	97.8
GE 200	54.3	56.2	67.2	69.6	78.1	82.0	85.8	88.3	91.1	94.3	95.7	96.7	96.9	97.4	98.0	99.4
GE 100	54.3	56.2	67.2	69.6	78.1	82.0	85.8	88.3	91.1	94.6	96.0	97.0	97.2	98.0	98.6	100.0
GE 000	54.3	56.2	67.2	69.6	78.1	82.0	85.8	88.3	91.1	94.6	96.0	97.0	97.2	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.9	17.0	20.4	20.8	22.2	23.2	23.9	24.6	24.7	25.7	26.1	26.4	27.1	27.3	27.8	27.8
GE 20000	18.8	18.9	22.6	23.0	24.6	25.9	26.7	27.3	27.6	28.8	29.2	29.6	30.3	30.6	31.0	31.0
GE 18000	18.8	18.9	22.6	23.0	24.6	25.9	26.7	27.3	27.6	28.8	29.2	29.6	30.3	30.6	31.0	31.0
GE 16000	18.8	18.9	22.6	23.0	24.6	25.9	26.7	27.3	27.6	28.8	29.2	29.6	30.3	30.6	31.0	31.0
GE 14000	18.8	18.9	22.6	23.0	24.6	25.9	26.7	27.3	27.6	28.8	29.2	29.6	30.3	30.6	31.0	31.0
GE 12000	18.9	19.0	22.7	23.1	24.7	26.0	26.8	27.4	27.7	28.9	29.3	29.7	30.4	30.7	31.1	31.1
GE 10000	20.2	20.3	24.2	24.7	26.3	27.7	28.6	29.2	29.4	30.8	31.2	31.6	32.3	32.6	33.0	33.0
GE 9000	20.4	20.6	24.8	25.2	27.0	28.4	29.3	30.0	30.2	31.6	32.0	32.3	33.1	33.3	33.8	33.8
GE 8000	21.6	21.7	25.9	26.3	28.7	30.4	31.3	32.0	32.2	33.6	34.0	34.3	35.1	35.3	35.9	35.9
GE 7000	22.1	22.3	26.6	27.0	29.3	31.1	32.0	32.7	32.9	34.2	34.7	35.0	35.8	36.0	36.6	36.6
GE 6000	22.3	22.6	26.8	27.2	29.8	31.6	32.4	33.1	33.3	34.7	35.1	35.4	36.2	36.4	37.0	37.0
GE 5000	24.4	24.8	29.0	29.4	32.3	34.2	35.3	36.0	36.2	37.6	38.1	38.4	39.2	39.4	40.0	40.0
GE 4500	26.6	27.0	31.7	32.1	35.4	37.3	38.4	39.1	39.3	40.7	41.2	41.6	42.3	42.6	43.1	43.1
GE 4000	30.1	30.7	36.1	36.6	40.2	42.1	43.3	44.1	44.3	45.9	46.4	46.8	47.6	47.8	48.3	48.4
GE 3500	33.3	33.9	39.4	39.9	43.6	45.4	46.7	47.4	47.7	49.2	49.8	50.1	50.9	51.1	51.7	51.8
GE 3000	38.2	39.0	45.3	46.0	50.0	52.0	53.6	54.3	54.6	56.1	56.7	57.0	57.8	58.0	58.6	58.9
GE 2500	41.0	41.8	48.8	49.4	53.8	55.8	57.3	58.1	58.3	60.1	60.7	61.0	61.8	62.0	62.6	62.9
GE 2000	45.0	45.8	54.2	54.9	59.7	61.7	63.2	64.1	64.4	66.2	66.8	67.1	67.9	68.1	68.7	69.0
GE 1800	45.6	46.3	55.4	56.2	61.0	63.0	64.6	65.4	65.8	67.7	68.2	68.6	69.3	69.6	70.1	70.4
GE 1500	48.4	49.2	59.2	60.2	66.0	68.1	70.0	71.2	71.7	74.0	74.6	74.9	75.7	75.9	76.4	76.8
GE 1200	49.8	50.6	61.0	62.4	68.3	70.7	72.7	74.4	75.0	77.4	78.0	78.4	79.2	79.4	80.0	80.3
GE 1000	50.2	51.0	61.8	63.2	69.6	72.0	74.0	76.1	76.7	79.1	79.7	80.1	80.9	81.1	81.7	82.0
GE 900	50.8	51.7	62.6	64.0	70.4	72.9	75.0	77.2	78.1	80.7	81.2	81.7	82.6	82.8	83.3	83.7
GE 800	51.2	52.1	63.6	65.1	72.0	74.6	76.9	79.3	80.2	83.1	83.7	84.1	85.0	85.2	85.8	86.1
GE 700	51.3	52.2	63.9	65.4	72.3	74.9	77.8	80.6	81.6	84.4	85.3	85.8	86.7	87.0	87.6	87.9
GE 600	51.3	52.2	63.9	65.4	72.3	74.9	77.8	81.1	82.9	85.9	87.1	87.6	88.4	88.8	89.3	89.7
GE 500	51.3	52.2	63.9	65.4	72.3	74.9	77.8	81.3	83.1	86.3	87.6	88.1	89.1	89.8	90.3	91.0
GE 400	51.3	52.2	63.9	65.4	72.3	74.9	78.4	82.6	84.3	87.6	88.8	90.1	91.1	91.8	92.7	93.4
GE 300	51.3	52.2	63.9	65.4	72.3	74.9	78.7	82.9	84.9	88.8	90.2	91.6	92.6	93.2	94.3	95.1
GE 200	51.3	52.2	63.9	65.4	72.3	74.9	78.7	83.1	85.1	89.2	91.1	92.7	93.8	94.8	96.4	97.7
GE 100	51.3	52.2	63.9	65.4	72.3	74.9	78.7	83.1	85.4	89.6	91.4	93.2	94.6	96.0	97.9	99.8
GE 000	51.3	52.2	63.9	65.4	72.3	74.9	78.7	83.1	85.4	89.6	91.4	93.2	94.6	96.0	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.6	14.9	17.7	18.5	20.5	21.3	22.1	22.5	22.7	23.5	23.7	23.9	24.2	24.4	24.8	25.1
GE 20000	16.2	16.5	19.5	20.4	22.6	23.5	24.3	24.7	25.0	25.9	26.2	26.4	26.6	26.9	27.3	27.7
GE 18000	16.2	16.5	19.6	20.4	22.6	23.5	24.3	24.8	25.1	25.9	26.2	26.4	26.7	27.0	27.4	27.8
GE 16000	16.2	16.5	19.6	20.4	22.6	23.5	24.3	24.8	25.1	25.9	26.2	26.4	26.7	27.0	27.4	27.8
GE 14000	16.2	16.6	19.6	20.4	22.7	23.6	24.4	24.8	25.1	26.0	26.3	26.5	26.8	27.0	27.4	27.8
GE 12000	16.4	16.8	19.8	20.7	22.9	23.8	24.6	25.1	25.4	26.2	26.5	26.7	27.0	27.3	27.7	28.0
GE 10000	17.2	17.6	20.8	21.7	24.0	25.0	25.9	26.4	26.7	27.6	27.9	28.2	28.5	28.7	29.2	29.5
GE 9000	17.6	18.0	21.3	22.2	24.5	25.5	26.4	26.9	27.2	28.2	28.5	28.8	29.1	29.3	29.8	30.1
GE 8000	18.8	19.3	22.7	23.6	26.2	27.4	28.3	28.9	29.2	30.2	30.5	30.8	31.0	31.3	31.8	32.2
GE 7000	19.3	19.8	23.2	24.1	26.7	27.9	28.9	29.4	29.8	30.7	31.1	31.3	31.6	31.9	32.4	32.8
GE 6000	19.6	20.1	23.6	24.6	27.3	28.5	29.5	30.1	30.4	31.4	31.7	32.0	32.3	32.6	33.1	33.4
GE 5000	20.9	21.4	25.3	26.4	29.4	30.9	32.0	32.7	33.0	34.0	34.4	34.6	34.9	35.3	35.8	36.1
GE 4500	23.3	23.9	28.1	29.3	32.6	34.1	35.4	36.2	36.5	37.5	37.9	38.2	38.5	38.8	39.3	39.7
GE 4000	26.4	27.1	31.7	33.0	36.6	38.2	39.5	40.4	40.8	41.8	42.2	42.5	42.8	43.2	43.7	44.1
GE 3500	29.7	30.6	35.7	37.0	40.8	42.6	43.9	44.8	45.2	46.2	46.6	46.9	47.2	47.6	48.1	48.5
GE 3000	34.7	35.7	41.6	43.0	47.2	49.1	50.6	51.6	52.0	53.1	53.5	53.8	54.1	54.5	55.0	55.4
GE 2500	36.9	38.0	44.3	45.8	50.2	52.1	53.7	54.7	55.1	56.2	56.6	57.0	57.3	57.6	58.2	58.5
GE 2000	40.7	41.8	49.0	50.8	55.7	57.7	59.3	60.3	60.8	62.0	62.4	62.7	63.1	63.4	64.0	64.4
GE 1800	41.7	42.8	50.3	52.1	57.1	59.1	60.8	61.8	62.3	63.5	63.9	64.3	64.6	65.0	65.5	65.9
GE 1500	44.4	45.5	54.0	55.9	61.9	64.3	66.2	67.5	68.1	69.6	70.1	70.5	70.8	71.2	71.7	72.1
GE 1200	45.8	46.9	55.9	58.0	64.7	67.3	69.4	70.9	71.6	73.3	73.8	74.2	74.6	75.0	75.5	75.9
GE 1000	46.7	47.9	57.6	59.9	67.5	70.4	72.7	74.5	75.3	77.2	77.7	78.2	78.6	79.0	79.6	79.9
GE 900	47.1	48.3	58.3	60.6	68.5	71.5	74.0	75.8	76.8	78.7	79.4	79.8	80.2	80.6	81.2	81.6
GE 800	47.4	48.6	59.0	61.5	69.6	72.8	75.5	77.5	78.7	80.9	81.5	82.0	82.4	82.8	83.4	83.8
GE 700	47.5	48.7	59.2	61.7	70.1	73.3	76.6	78.9	80.2	82.5	83.2	83.7	84.2	84.6	85.2	85.6
GE 600	47.5	48.7	59.2	61.7	70.3	73.6	77.1	79.6	81.3	83.8	84.7	85.3	85.7	86.2	86.8	87.2
GE 500	47.5	48.7	59.2	61.8	70.5	73.8	77.7	80.7	82.6	85.6	86.6	87.3	87.8	88.5	89.1	89.6
GE 400	47.5	48.7	59.2	61.8	70.6	73.9	78.2	81.6	83.7	87.1	88.3	89.2	89.8	90.5	91.4	92.1
GE 300	47.5	48.7	59.3	61.8	70.6	74.0	78.2	81.9	84.3	88.4	90.0	91.0	91.8	92.6	93.8	95.1
GE 200	47.5	48.7	59.3	61.8	70.6	74.0	78.2	82.0	84.5	88.8	90.7	92.0	92.8	93.9	95.7	97.8
GE 100	47.5	48.7	59.3	61.8	70.6	74.0	78.2	82.0	84.5	88.9	90.8	92.2	93.2	94.5	96.8	99.8
GE 000	47.5	48.7	59.3	61.8	70.6	74.0	78.3	82.1	84.6	88.9	90.8	92.3	93.2	94.6	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.4	12.4	15.6	16.0	18.1	18.3	18.7	18.9	19.5	20.0	20.1	20.2	20.5	20.5	20.9	21.3
GE 20000	13.9	13.9	17.6	18.4	20.5	20.8	21.3	21.5	22.3	22.9	23.0	23.1	23.4	23.4	23.8	24.2
GE 18000	14.1	14.1	17.8	18.6	20.8	21.0	21.5	21.7	22.5	23.1	23.2	23.3	23.7	23.7	24.0	24.4
GE 16000	14.1	14.1	17.8	18.6	20.8	21.0	21.5	21.7	22.5	23.1	23.2	23.3	23.7	23.7	24.0	24.4
GE 14000	14.1	14.1	17.8	18.6	20.8	21.0	21.5	21.7	22.5	23.1	23.2	23.3	23.7	23.7	24.0	24.4
GE 12000	14.2	14.2	18.0	18.7	20.9	21.1	21.6	21.8	22.6	23.2	23.3	23.4	23.8	23.8	24.1	24.5
GE 10000	15.1	15.1	18.8	19.7	21.9	22.2	22.7	22.9	23.8	24.4	24.5	24.6	24.9	24.9	25.3	25.7
GE 9000	15.3	15.3	19.4	20.2	22.5	22.7	23.2	23.4	24.3	24.9	25.1	25.2	25.5	25.5	25.8	26.2
GE 8000	16.9	16.9	21.0	21.8	24.4	24.6	25.2	25.5	26.3	27.0	27.1	27.2	27.5	27.5	27.8	28.3
GE 7000	16.9	16.9	21.0	21.8	24.4	24.6	25.5	25.8	26.7	27.4	27.5	27.6	28.0	28.1	28.4	28.8
GE 6000	17.5	17.5	21.6	22.5	25.1	25.5	26.3	26.7	27.5	28.3	28.4	28.5	28.8	28.9	29.2	29.7
GE 5000	19.2	19.2	23.7	24.5	27.3	27.8	28.7	29.0	29.9	30.6	30.8	30.9	31.2	31.3	31.7	32.2
GE 4500	21.0	21.0	25.6	26.5	29.4	29.9	30.8	31.3	32.4	33.2	33.3	33.4	33.8	33.9	34.3	34.7
GE 4000	24.5	24.7	29.4	30.2	33.7	34.2	35.1	35.7	36.8	37.7	37.8	38.0	38.3	38.4	38.8	39.2
GE 3500	26.2	26.5	31.2	32.0	35.5	36.0	36.9	37.7	38.8	39.8	39.9	40.0	40.3	40.4	40.9	41.3
GE 3000	30.1	30.4	35.8	36.7	40.3	40.9	41.8	42.7	43.8	44.8	44.9	45.1	45.5	45.6	46.0	46.5
GE 2500	32.5	33.0	39.5	40.3	44.1	44.6	45.6	46.5	47.5	48.6	48.7	48.8	49.2	49.4	49.8	50.2
GE 2000	41.7	42.4	50.1	51.3	55.8	56.6	57.6	58.9	60.0	61.1	61.2	61.3	61.7	61.8	62.3	62.7
GE 1800	42.8	43.4	51.2	52.4	56.9	57.6	58.7	60.0	61.1	62.3	62.4	62.5	62.9	63.0	63.4	63.9
GE 1500	47.4	48.2	57.1	58.4	63.3	64.3	65.5	66.8	67.8	69.2	69.4	69.5	69.9	70.0	70.4	70.9
GE 1200	49.2	50.1	60.1	61.4	67.6	68.7	70.1	71.4	72.5	73.9	74.0	74.3	74.7	74.8	75.3	75.7
GE 1000	50.8	51.6	62.0	63.5	69.9	71.0	72.7	74.1	75.2	76.6	76.7	77.0	77.4	77.5	78.0	78.5
GE 900	51.1	51.9	62.4	64.0	71.3	72.4	74.1	75.6	76.9	78.3	78.4	78.7	79.1	79.2	79.7	80.2
GE 800	51.5	52.5	63.4	65.3	72.9	74.0	75.7	77.2	78.6	80.2	80.3	80.6	81.1	81.2	81.6	82.2
GE 700	51.8	52.8	64.2	66.0	74.3	75.8	78.3	79.8	81.8	83.5	84.0	84.3	84.7	84.8	85.3	85.8
GE 600	52.2	53.1	64.7	66.7	75.7	77.5	80.3	82.3	84.8	87.6	88.1	88.4	89.0	89.1	89.6	90.1
GE 500	52.3	53.2	64.8	66.9	75.9	77.7	81.0	83.8	86.3	89.7	90.1	90.4	91.1	91.2	91.7	92.3
GE 400	52.3	53.2	64.8	66.9	76.0	77.8	81.1	83.9	86.5	90.0	90.4	90.8	91.4	91.5	92.2	92.7
GE 300	52.3	53.2	64.8	66.9	76.0	77.8	81.1	83.9	86.5	90.8	91.6	92.2	92.8	93.0	93.8	94.6
GE 200	52.3	53.2	64.8	66.9	76.0	77.8	81.1	84.0	86.7	91.3	92.8	93.3	94.1	94.3	95.7	96.7
GE 100	52.4	53.3	64.9	67.0	76.1	78.0	81.2	84.1	86.8	91.6	93.4	94.1	95.1	95.8	97.4	99.1
GE 000	52.4	53.3	64.9	67.0	76.1	78.0	81.2	84.1	86.8	91.6	93.4	94.2	95.2	95.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.8	12.0	14.1	14.1	16.6	16.8	17.3	17.8	18.3	18.9	19.6	19.6	19.9	20.0	20.0	20.0
GE 20000	12.7	12.9	15.1	15.1	17.6	17.8	18.4	18.9	19.6	20.3	21.2	21.2	21.5	21.6	21.6	21.7
GE 18000	12.9	13.1	15.3	15.3	17.8	18.1	18.6	19.1	19.8	20.5	21.4	21.4	21.7	21.8	21.8	21.9
GE 16000	12.9	13.1	15.3	15.3	17.8	18.1	18.6	19.1	19.8	20.5	21.4	21.4	21.7	21.8	21.8	21.9
GE 14000	13.1	13.3	15.5	15.5	18.1	18.3	18.8	19.4	20.0	20.8	21.6	21.6	21.9	22.0	22.0	22.2
GE 12000	13.1	13.3	15.5	15.5	18.4	18.6	19.1	19.7	20.3	21.1	21.9	21.9	22.3	22.4	22.4	22.5
GE 10000	13.8	14.0	16.2	16.2	19.1	19.4	19.9	20.4	21.2	21.9	22.8	22.8	23.1	23.2	23.2	23.3
GE 9000	13.8	14.0	16.6	16.6	19.5	19.7	20.2	20.8	21.5	22.3	23.1	23.1	23.4	23.5	23.5	23.7
GE 8000	14.7	14.9	18.2	18.3	21.4	21.6	22.2	22.7	23.4	24.2	25.1	25.1	25.4	25.5	25.5	25.6
GE 7000	14.8	15.1	18.3	18.4	21.9	22.2	22.7	23.2	24.0	24.7	25.6	25.6	25.9	26.0	26.0	26.1
GE 6000	15.3	15.5	18.7	18.8	22.6	23.1	23.7	24.2	24.9	25.7	26.6	26.6	26.9	27.0	27.0	27.1
GE 5000	17.2	17.4	20.8	21.2	25.1	25.8	26.3	26.9	27.7	28.6	29.5	29.5	29.8	30.0	30.0	30.1
GE 4500	19.1	19.4	22.8	23.4	27.6	28.4	28.9	29.7	30.6	31.6	32.5	32.5	32.8	33.0	33.0	33.1
GE 4000	21.1	21.4	25.6	26.2	30.8	31.7	32.5	33.2	34.2	35.7	36.6	36.6	36.9	37.1	37.1	37.2
GE 3500	25.6	25.9	30.2	30.9	35.5	36.5	37.2	38.0	38.9	40.4	41.3	41.3	41.6	41.8	41.8	41.9
GE 3000	28.3	28.6	33.1	33.8	38.7	39.7	40.4	41.5	42.5	44.0	44.8	44.8	45.2	45.4	45.4	45.5
GE 2500	30.8	31.2	36.0	36.7	41.7	42.7	43.8	44.9	45.9	47.5	48.4	48.4	48.7	48.9	48.9	49.0
GE 2000	38.6	39.1	45.7	46.7	52.4	53.7	54.8	56.0	57.2	58.9	59.8	59.8	60.1	60.4	60.5	60.8
GE 1800	39.5	40.0	46.6	47.5	53.2	54.5	55.8	57.0	58.2	59.9	60.8	60.8	61.1	61.4	61.5	61.7
GE 1500	44.9	45.8	53.2	54.5	60.6	62.2	63.5	64.9	66.1	67.8	68.8	68.8	69.1	69.5	69.6	69.8
GE 1200	47.4	48.3	56.3	58.0	65.2	66.7	68.6	69.9	71.3	73.0	74.0	74.0	74.3	74.6	74.7	74.9
GE 1000	49.2	50.1	58.9	61.0	68.4	70.2	72.5	74.0	75.5	77.2	78.2	78.2	78.5	78.8	79.0	79.2
GE 900	49.5	50.3	59.2	61.4	69.5	71.3	73.9	75.4	77.2	78.9	79.9	79.9	80.2	80.5	80.8	81.0
GE 800	49.7	50.5	59.7	61.8	70.1	71.9	74.5	76.0	77.8	79.6	80.6	80.6	81.0	81.3	81.5	81.7
GE 700	50.2	51.1	61.1	63.4	72.3	74.6	77.7	79.4	81.4	83.2	84.6	84.6	84.9	85.3	85.5	85.7
GE 600	50.2	51.1	61.3	63.7	73.0	75.8	79.1	81.3	83.9	86.3	87.7	87.7	88.3	88.6	88.8	89.0
GE 500	50.2	51.1	61.3	63.7	73.1	76.1	80.0	83.2	85.8	88.8	90.2	90.2	90.9	91.3	91.6	92.0
GE 400	50.2	51.1	61.3	63.7	73.3	76.6	80.5	83.8	86.7	90.0	91.4	91.5	92.2	93.0	93.5	94.0
GE 300	50.2	51.1	61.3	63.7	73.3	76.6	80.5	83.9	87.0	90.5	92.5	93.0	93.7	94.7	95.4	95.8
GE 200	50.2	51.1	61.3	63.7	73.3	76.6	80.5	83.9	87.0	91.1	93.4	94.0	94.6	95.7	96.8	97.7
GE 100	50.2	51.1	61.3	63.7	73.3	76.6	80.5	83.9	87.1	91.3	93.9	94.6	95.5	97.1	98.4	99.8
GE 000	50.2	51.1	61.3	63.7	73.3	76.6	80.5	83.9	87.1	91.3	93.9	94.6	95.5	97.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.1	10.4	12.8	13.0	14.3	14.7	15.2	15.3	15.6	15.8	16.6	16.6	16.8	17.1	17.4	17.7
GE 20000	10.9	11.2	13.7	13.9	15.3	15.7	16.1	16.3	16.8	17.0	17.7	17.7	18.0	18.3	18.6	18.9
GE 18000	11.0	11.3	13.8	14.0	15.4	15.8	16.2	16.5	16.9	17.1	17.8	17.8	18.1	18.4	18.7	19.0
GE 16000	11.0	11.3	13.8	14.0	15.4	15.8	16.2	16.5	16.9	17.1	17.8	17.8	18.1	18.4	18.7	19.0
GE 14000	11.0	11.3	13.8	14.0	15.4	15.8	16.2	16.5	16.9	17.1	17.8	17.8	18.1	18.4	18.7	19.0
GE 12000	11.1	11.4	14.0	14.2	15.7	16.1	16.6	16.9	17.4	17.6	18.4	18.4	18.6	18.9	19.2	19.6
GE 10000	11.9	12.3	14.8	15.1	16.6	17.0	17.5	17.8	18.5	18.8	19.6	19.6	19.8	20.1	20.4	20.8
GE 9000	12.0	12.4	14.9	15.2	16.7	17.1	17.6	18.0	18.6	18.9	19.7	19.7	19.9	20.2	20.5	20.9
GE 8000	14.2	14.5	17.3	17.5	19.0	19.6	20.4	20.8	21.5	21.8	22.6	22.6	22.8	23.1	23.4	23.8
GE 7000	14.6	14.9	17.7	18.0	19.6	20.1	21.0	21.3	22.0	22.4	23.1	23.1	23.3	23.7	24.0	24.3
GE 6000	15.1	15.4	18.3	18.6	20.4	21.1	21.9	22.3	23.0	23.3	24.1	24.1	24.3	24.6	24.9	25.3
GE 5000	16.3	16.7	19.6	19.9	21.7	23.0	23.9	24.2	24.9	25.3	26.0	26.0	26.2	26.6	26.9	27.2
GE 4500	17.8	18.2	21.1	21.4	23.3	24.6	25.5	25.8	26.6	26.9	27.6	27.6	27.8	28.2	28.5	28.8
GE 4000	22.2	22.5	26.1	26.7	29.1	30.6	31.7	32.2	32.9	33.9	34.6	34.6	34.8	35.2	35.5	35.8
GE 3500	25.7	26.1	30.1	30.6	33.3	34.8	35.9	36.3	37.1	38.1	38.8	38.8	39.0	39.4	39.7	40.0
GE 3000	29.2	29.7	34.1	34.6	37.5	39.1	40.3	40.9	41.6	42.6	43.5	43.5	43.8	44.1	44.4	44.7
GE 2500	32.4	32.9	37.5	38.3	41.5	43.1	44.5	45.4	46.1	47.1	48.1	48.1	48.3	48.6	48.9	49.2
GE 2000	38.6	39.7	45.3	46.6	49.9	51.7	53.3	54.2	55.1	56.2	57.2	57.2	57.4	57.7	58.1	58.4
GE 1800	39.9	41.0	46.6	48.1	51.4	53.2	54.9	55.8	56.7	58.1	59.0	59.0	59.2	59.6	59.9	60.2
GE 1500	45.1	46.3	52.7	54.8	58.9	61.0	62.8	63.7	64.5	66.1	67.2	67.2	67.4	67.7	68.1	68.4
GE 1200	47.7	49.1	56.2	58.6	63.3	65.6	67.4	68.3	69.2	70.9	71.9	71.9	72.2	72.5	72.8	73.1
GE 1000	50.5	51.9	59.8	62.5	67.8	70.4	72.3	73.3	74.3	75.9	77.0	77.0	77.2	77.6	78.0	78.3
GE 900	50.5	51.9	60.0	62.8	68.7	71.3	73.5	74.7	75.8	77.4	78.5	78.5	78.7	79.1	79.5	79.8
GE 800	50.6	52.0	60.1	63.0	69.0	72.0	74.5	75.9	77.0	78.8	79.9	79.9	80.1	80.5	80.9	81.3
GE 700	51.4	52.8	61.2	64.2	70.8	74.2	77.2	78.7	80.0	81.8	83.3	83.3	83.5	84.0	84.3	84.7
GE 600	51.5	52.9	61.3	64.3	71.1	74.5	78.0	79.9	81.6	84.2	85.9	86.0	86.5	87.0	87.3	87.7
GE 500	51.5	52.9	61.3	64.6	71.9	75.7	79.2	81.8	83.7	87.2	89.0	89.1	89.7	90.2	90.5	91.3
GE 400	51.5	52.9	61.3	64.6	72.2	76.0	79.9	83.0	85.1	89.0	91.0	91.1	91.6	92.3	92.7	93.7
GE 300	51.5	52.9	61.3	64.6	72.2	76.0	79.9	83.0	85.3	90.5	92.9	93.1	93.8	94.6	95.4	96.5
GE 200	51.5	52.9	61.3	64.6	72.2	76.0	79.9	83.0	85.3	91.1	93.8	94.2	95.1	96.1	97.3	98.5
GE 100	51.5	52.9	61.3	64.6	72.2	76.0	79.9	83.0	85.4	91.2	93.9	94.4	95.4	96.6	98.3	100.0
GE 000	51.5	52.9	61.3	64.6	72.2	76.0	79.9	83.0	85.4	91.2	93.9	94.4	95.4	96.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CELL	8.5	8.6	11.6	11.8	13.3	14.1	14.5	14.9	15.3	15.6	15.7	15.7	15.8	15.8	15.8	15.9
GE 20000	10.6	10.8	14.1	14.3	15.9	16.9	17.5	18.0	18.3	18.6	18.7	18.7	18.8	18.9	18.9	19.0
GE 18000	10.8	10.9	14.2	14.4	16.0	17.0	17.6	18.1	18.4	18.7	18.8	18.8	18.9	19.0	19.0	19.1
GE 16000	10.8	10.9	14.2	14.4	16.0	17.0	17.6	18.1	18.4	18.7	18.8	18.8	18.9	19.0	19.0	19.1
GE 14000	10.8	11.0	14.5	14.7	16.3	17.3	18.0	18.4	18.7	19.0	19.1	19.1	19.2	19.4	19.4	19.5
GE 12000	11.3	11.5	15.1	15.3	16.9	18.0	18.6	19.0	19.4	19.7	19.8	19.8	19.9	20.0	20.0	20.1
GE 10000	11.8	12.2	15.7	16.2	18.1	19.2	19.9	20.3	20.6	21.2	21.3	21.3	21.4	21.5	21.5	21.6
GE 9000	12.3	12.6	16.1	16.7	18.5	19.7	20.3	20.8	21.1	21.6	21.7	21.7	21.8	21.9	21.9	22.0
GE 8000	13.4	13.8	17.4	18.0	19.8	21.3	22.3	22.7	23.0	23.5	23.7	23.8	23.9	24.0	24.0	24.1
GE 7000	13.7	14.0	17.7	18.3	20.2	21.8	22.8	23.2	23.5	24.1	24.2	24.3	24.4	24.5	24.5	24.6
GE 6000	13.7	14.0	17.7	18.4	20.5	22.3	23.2	23.7	24.0	24.5	24.6	24.7	24.8	24.9	24.9	25.1
GE 5000	14.3	14.6	18.5	19.1	21.5	23.3	24.4	24.8	25.2	25.7	25.8	25.9	26.0	26.1	26.1	26.2
GE 4500	15.9	16.2	20.3	21.2	23.5	25.4	26.5	26.9	27.3	28.0	28.1	28.2	28.3	28.4	28.4	28.5
GE 4000	18.6	18.9	23.9	24.8	27.8	29.7	31.1	31.8	32.3	33.2	33.3	33.4	33.5	33.7	33.7	33.8
GE 3500	20.1	20.4	26.0	27.3	30.8	33.2	34.6	35.4	35.8	36.8	36.9	37.0	37.1	37.2	37.2	37.3
GE 3000	24.6	24.9	32.0	33.7	37.3	39.8	41.3	42.0	42.5	43.4	43.5	43.7	43.8	43.9	44.0	44.1
GE 2500	28.1	28.5	36.5	38.2	42.2	44.7	46.3	47.2	47.6	48.6	48.7	48.8	48.9	49.0	49.1	49.2
GE 2000	33.8	34.4	43.8	45.9	50.2	52.8	54.7	55.7	56.3	57.5	57.7	57.8	58.0	58.1	58.2	58.3
GE 1800	35.6	36.2	45.6	47.7	52.3	54.8	56.8	57.8	58.5	59.7	60.2	60.3	60.4	60.5	60.6	60.8
GE 1500	38.4	39.0	50.9	53.3	58.6	61.4	63.4	64.6	65.3	66.7	67.2	67.3	67.5	67.6	67.7	67.8
GE 1200	41.7	42.4	55.3	58.1	64.5	67.7	70.0	71.2	71.9	73.3	73.9	74.0	74.2	74.3	74.4	74.5
GE 1000	42.5	43.1	56.5	59.6	68.2	72.3	74.9	76.3	77.2	79.0	79.6	79.7	79.9	80.0	80.1	80.2
GE 900	42.5	43.1	56.8	60.2	69.2	73.4	76.2	77.6	78.5	80.3	80.9	81.0	81.2	81.3	81.4	81.5
GE 800	42.7	43.3	57.2	60.8	70.4	74.8	77.6	79.0	80.0	82.2	82.7	82.8	83.0	83.1	83.2	83.3
GE 700	42.7	43.3	57.5	61.2	71.6	76.3	79.5	81.4	82.4	84.9	85.5	85.6	85.8	85.9	86.0	86.1
GE 600	42.7	43.3	57.5	61.2	71.7	76.6	79.8	82.2	83.7	86.9	87.5	87.6	88.0	88.1	88.2	88.3
GE 500	42.7	43.3	57.5	61.2	72.6	77.7	81.1	84.1	85.9	89.7	90.8	91.0	91.3	91.4	91.5	91.8
GE 400	42.7	43.3	57.5	61.2	72.7	77.8	81.4	84.9	87.0	91.4	92.6	92.8	93.2	93.4	93.7	94.1
GE 300	42.7	43.3	57.5	61.2	72.8	78.0	81.6	85.5	87.6	92.7	94.8	95.1	95.6	96.1	96.3	97.7
GE 200	42.7	43.3	57.5	61.2	72.8	78.0	81.6	85.6	87.7	93.1	95.6	95.9	96.6	97.2	97.5	98.9
GE 100	42.7	43.3	57.5	61.2	72.8	78.0	81.6	85.6	87.7	93.3	95.9	96.2	96.9	97.6	98.3	100.0
GE 000	42.7	43.3	57.5	61.2	72.8	78.0	81.6	85.6	87.7	93.3	95.9	96.2	96.9	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.3	13.5	15.2	15.7	17.8	18.7	19.2	19.2	19.5	19.7	19.7	19.7	19.7	19.7	19.8	19.8
GE 20000	15.3	15.5	18.0	18.6	21.0	21.8	22.4	22.5	22.7	23.0	23.0	23.0	23.0	23.0	23.1	23.1
GE 18000	15.4	15.6	18.1	18.7	21.1	21.9	22.5	22.6	22.8	23.1	23.1	23.1	23.1	23.1	23.2	23.2
GE 16000	15.4	15.6	18.1	18.7	21.1	21.9	22.5	22.6	22.8	23.1	23.1	23.1	23.1	23.1	23.2	23.2
GE 14000	15.4	15.6	18.2	18.8	21.2	22.0	22.6	22.7	22.9	23.2	23.2	23.2	23.2	23.2	23.3	23.3
GE 12000	15.7	15.9	18.5	19.1	21.5	22.4	22.9	23.1	23.3	23.7	23.7	23.7	23.7	23.7	23.8	23.8
GE 10000	17.1	17.4	20.3	21.3	24.0	24.8	25.4	25.6	25.9	26.2	26.2	26.2	26.2	26.3	26.5	26.5
GE 9000	17.3	17.6	20.5	21.5	24.4	25.4	25.9	26.1	26.5	26.8	26.8	26.8	26.8	26.9	27.0	27.0
GE 8000	19.0	19.4	22.4	23.3	26.5	27.5	28.5	29.0	29.4	29.8	29.8	29.8	29.8	29.9	30.0	30.0
GE 7000	19.7	20.0	23.0	24.0	27.2	28.3	29.2	29.8	30.1	30.5	30.5	30.5	30.5	30.6	30.8	30.8
GE 6000	20.2	20.5	23.7	24.6	27.8	28.9	29.9	30.4	30.8	31.2	31.2	31.2	31.2	31.3	31.4	31.4
GE 5000	20.6	21.0	24.4	25.5	28.8	29.9	30.9	31.4	31.7	32.2	32.2	32.2	32.2	32.3	32.4	32.4
GE 4500	22.0	22.4	26.1	27.2	30.5	31.6	32.6	33.1	33.4	33.9	33.9	33.9	33.9	34.0	34.1	34.1
GE 4000	23.9	24.3	28.4	29.7	33.1	34.2	35.2	35.7	36.0	36.8	36.8	36.8	36.8	36.9	37.0	37.0
GE 3500	26.1	26.7	31.4	32.7	36.2	37.4	38.4	38.9	39.2	40.0	40.0	40.0	40.0	40.1	40.2	40.2
GE 3000	30.6	31.3	38.2	39.6	43.1	44.3	45.4	45.9	46.2	47.2	47.2	47.2	47.2	47.3	47.4	47.4
GE 2500	34.9	35.8	42.9	44.4	48.1	49.4	50.5	51.2	51.6	52.6	52.7	52.7	52.7	52.8	52.9	52.9
GE 2000	41.6	43.1	51.2	52.9	57.3	58.7	60.4	61.1	61.6	62.6	62.7	62.7	62.7	62.8	62.9	62.9
GE 1800	42.8	44.4	52.9	54.6	59.1	60.5	62.4	63.0	63.5	64.5	64.7	64.7	64.7	64.8	64.9	64.9
GE 1500	46.6	48.3	59.1	61.4	66.6	68.2	70.1	70.8	71.3	72.4	72.6	72.6	72.6	72.7	72.8	72.8
GE 1200	48.6	50.5	62.5	65.4	72.3	74.1	76.3	77.0	77.5	78.9	79.2	79.2	79.2	79.4	79.5	79.5
GE 1000	48.9	50.9	63.5	67.2	75.7	78.4	81.3	82.0	82.7	84.2	84.6	84.6	84.6	84.7	84.8	84.8
GE 900	48.9	50.9	63.7	67.4	76.2	79.0	82.0	82.8	83.4	84.9	85.5	85.5	85.5	85.6	85.7	85.7
GE 800	49.5	51.4	64.3	68.1	78.1	81.3	84.6	85.5	86.3	88.0	88.5	88.5	88.5	88.6	88.7	88.7
GE 700	49.6	51.5	64.7	68.6	79.7	83.8	87.6	88.7	89.7	91.8	92.5	92.8	92.8	92.9	93.0	93.0
GE 600	49.6	51.5	64.7	68.6	79.9	84.1	88.1	89.6	90.5	93.1	93.8	94.1	94.1	94.2	94.3	94.3
GE 500	49.6	51.5	64.7	68.6	80.3	84.6	88.6	90.3	91.6	94.4	95.4	95.9	95.9	96.0	96.1	96.1
GE 400	49.6	51.5	64.7	68.6	80.3	84.7	88.7	90.5	91.9	94.8	96.1	96.8	96.8	96.9	97.0	97.0
GE 300	49.6	51.5	64.7	68.6	80.3	84.7	88.7	90.6	92.2	95.7	97.7	98.4	98.5	98.7	98.8	99.1
GE 200	49.6	51.5	64.7	68.6	80.3	84.7	88.7	90.6	92.2	95.9	98.2	98.8	98.9	99.1	99.6	99.9
GE 100	49.6	51.5	64.7	68.6	80.3	84.7	88.7	90.6	92.2	95.9	98.2	98.8	98.9	99.1	99.6	99.9
GE 000	49.6	51.5	64.7	68.6	80.3	84.7	88.7	90.6	92.2	95.9	98.2	98.8	98.9	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 15-17

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.4	15.8	18.1	18.5	20.8	21.0	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 20000	18.3	18.9	21.2	22.7	25.5	26.0	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 18000	18.3	18.9	22.3	22.9	25.9	26.5	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 16000	18.3	18.9	22.3	22.9	25.9	26.5	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 14000	18.4	19.0	22.4	23.0	26.0	26.6	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
GE 12000	18.6	19.2	22.6	23.1	26.2	26.8	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
GE 10000	19.9	21.0	24.8	25.5	28.7	29.4	30.1	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 9000	20.1	21.2	25.1	25.7	29.2	30.0	30.8	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
GE 8000	21.3	22.4	26.6	27.2	31.3	32.0	32.9	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 7000	22.2	23.2	27.6	28.4	32.5	33.2	34.1	34.8	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9
GE 6000	22.3	23.3	27.7	28.6	32.7	33.4	34.5	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4
GE 5000	23.8	24.8	29.2	30.1	34.4	35.2	36.2	37.0	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1
GE 4500	24.5	25.6	30.0	30.9	35.4	36.1	37.4	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3
GE 4000	26.0	27.4	32.4	33.2	38.1	38.8	40.1	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1
GE 3500	28.7	30.1	35.5	36.7	41.7	42.7	44.0	44.8	44.8	44.9	44.9	45.1	45.1	45.1	45.1	45.1
GE 3000	33.8	35.4	42.7	44.1	49.4	50.4	51.9	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0
GE 2500	36.9	38.7	46.1	48.0	53.4	54.5	56.0	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1
GE 2000	42.5	44.5	53.9	56.1	62.3	63.4	64.9	65.8	66.0	66.3	66.3	66.5	66.5	66.5	66.5	66.5
GE 1800	43.2	45.3	55.3	57.6	64.1	65.3	66.8	67.6	67.8	68.2	68.2	68.3	68.3	68.3	68.3	68.3
GE 1500	46.1	48.3	60.5	63.2	70.8	72.0	73.7	74.5	74.8	75.2	75.2	75.3	75.3	75.3	75.3	75.3
GE 1200	48.0	50.1	63.8	67.5	76.3	77.7	79.4	80.2	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.0
GE 1000	48.6	50.8	66.0	70.0	80.3	82.3	84.0	84.9	85.5	85.8	85.8	85.9	85.9	85.9	85.9	85.9
GE 900	48.7	50.9	66.2	70.2	81.3	83.8	85.5	86.6	87.1	87.6	87.6	87.7	87.7	87.7	87.7	87.7
GE 800	48.7	50.9	66.2	70.3	82.5	85.4	87.5	88.6	89.2	89.9	89.9	90.0	90.0	90.0	90.0	90.0
GE 700	48.8	51.0	66.5	70.5	82.7	85.8	88.2	89.7	90.3	91.6	91.6	91.7	91.7	91.7	91.7	91.7
GE 600	48.8	51.0	66.5	70.6	83.3	86.5	88.8	90.3	91.0	93.0	93.4	93.7	93.7	93.7	93.7	93.7
GE 500	48.8	51.0	66.5	70.6	83.4	86.8	89.9	91.6	92.8	95.1	95.9	96.5	96.7	96.8	96.8	96.8
GE 400	48.8	51.0	66.5	70.6	83.4	86.8	90.0	91.9	93.2	95.6	96.8	97.3	97.7	97.8	97.8	97.8
GE 300	48.8	51.0	66.5	70.6	83.4	86.8	90.0	92.3	94.1	96.7	98.3	98.8	99.2	99.4	99.4	99.6
GE 200	48.8	51.0	66.5	70.6	83.4	86.8	90.0	92.3	94.1	96.7	98.3	98.8	99.6	99.7	99.7	99.9
GE 100	48.8	51.0	66.5	70.6	83.4	86.8	90.0	92.3	94.1	96.7	98.3	98.8	99.6	99.7	99.7	100.0
GE 000	48.8	51.0	66.5	70.6	83.4	86.8	90.0	92.3	94.1	96.7	98.3	98.8	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.5	15.1	17.8	17.8	20.2	20.4	21.4	21.7	21.8	22.5	22.6	22.6	22.6	22.6	22.6	22.7
GE 20000	16.1	16.7	20.1	20.1	22.7	23.1	24.1	24.4	24.5	25.2	25.3	25.4	25.4	25.4	25.4	25.5
GE 18000	16.2	16.8	20.2	20.2	22.8	23.2	24.2	24.5	24.6	25.3	25.4	25.5	25.5	25.5	25.5	25.6
GE 16000	16.2	16.8	20.2	20.2	22.8	23.2	24.2	24.5	24.6	25.3	25.4	25.5	25.5	25.5	25.5	25.6
GE 14000	16.2	16.8	20.2	20.2	22.8	23.2	24.2	24.5	24.6	25.3	25.4	25.5	25.5	25.5	25.5	25.6
GE 12000	16.8	17.4	20.9	20.9	23.5	24.0	24.9	25.5	25.6	26.3	26.5	26.6	26.6	26.6	26.6	26.7
GE 10000	18.3	19.0	22.9	22.9	26.3	26.8	27.7	28.3	28.4	29.1	29.2	29.4	29.4	29.4	29.4	29.5
GE 9000	18.5	19.2	23.1	23.1	26.6	27.0	28.0	28.5	28.6	29.4	29.5	29.6	29.6	29.6	29.6	29.7
GE 8000	19.7	20.4	24.3	24.3	28.2	29.0	30.1	30.6	30.8	31.5	31.6	31.7	31.7	31.7	31.7	31.8
GE 7000	19.9	20.6	24.5	24.5	28.4	29.2	30.3	30.9	31.0	31.7	31.9	32.2	32.2	32.2	32.2	32.3
GE 6000	20.3	21.2	25.2	25.2	29.0	29.9	31.0	31.5	31.6	32.4	32.6	32.8	32.8	32.8	32.8	32.9
GE 5000	21.7	22.6	26.6	26.6	30.6	31.8	32.9	33.4	33.5	34.3	34.5	34.7	34.7	34.7	34.7	34.8
GE 4500	23.3	24.3	28.4	28.4	33.2	34.4	35.6	36.3	36.5	37.2	37.4	37.6	37.6	37.6	37.6	37.7
GE 4000	26.5	27.5	32.3	32.3	37.5	38.7	40.0	40.9	41.0	41.7	41.9	42.2	42.2	42.2	42.2	42.3
GE 3500	28.9	30.0	34.8	34.9	40.3	41.5	42.8	43.7	43.8	44.7	45.1	45.3	45.3	45.3	45.3	45.4
GE 3000	33.4	34.8	40.6	40.9	46.3	47.5	48.8	49.7	49.8	50.9	51.2	51.5	51.5	51.6	51.6	51.7
GE 2500	36.9	38.4	45.1	45.4	51.1	52.3	53.5	54.4	54.5	55.6	55.9	56.2	56.2	56.3	56.3	56.5
GE 2000	43.5	45.3	53.2	54.2	60.1	61.3	62.6	63.4	63.5	64.8	65.3	65.6	65.6	65.7	65.7	65.8
GE 1800	44.0	45.7	53.9	54.9	61.0	62.4	63.7	64.5	64.6	65.9	66.3	66.7	66.7	66.8	66.8	66.9
GE 1500	46.6	48.5	58.9	60.1	67.0	68.7	70.2	71.1	71.2	72.5	72.9	73.2	73.2	73.3	73.3	73.4
GE 1200	47.7	49.9	61.8	63.3	71.1	73.1	74.6	75.5	75.6	76.9	77.3	77.6	77.6	77.7	77.7	77.8
GE 1000	49.4	51.5	64.4	66.0	74.9	77.2	78.7	79.6	79.7	81.0	81.4	81.7	81.7	81.8	81.8	81.9
GE 900	49.4	51.5	64.8	66.5	75.9	78.4	80.2	81.1	81.2	82.5	82.9	83.2	83.2	83.3	83.3	83.4
GE 800	49.4	51.5	65.1	67.0	77.4	80.1	82.3	83.1	83.5	84.8	85.6	85.9	85.9	86.0	86.0	86.1
GE 700	50.0	52.2	65.8	67.7	78.9	81.7	84.0	85.4	85.8	87.4	88.2	88.5	88.5	88.6	88.6	88.7
GE 600	50.0	52.2	66.0	68.1	79.5	82.6	85.1	86.8	87.5	90.3	91.2	91.6	91.6	91.7	91.7	91.8
GE 500	50.2	52.4	66.3	68.4	79.9	83.3	86.3	88.4	89.6	92.9	94.0	94.4	94.6	94.7	94.7	94.8
GE 400	50.2	52.4	66.3	68.4	79.9	83.4	86.5	88.6	90.2	94.1	95.4	95.8	96.0	96.1	96.1	96.2
GE 300	50.2	52.4	66.3	68.4	79.9	83.4	86.8	89.2	91.6	95.6	97.2	97.6	97.8	98.1	98.3	98.4
GE 200	50.2	52.4	66.3	68.4	79.9	83.4	86.9	89.4	91.7	95.7	97.4	97.8	97.8	98.3	98.5	98.8
GE 100	50.2	52.4	66.3	68.4	79.9	83.4	86.9	89.4	91.7	95.7	97.4	97.8	98.4	98.9	99.2	100.0
GE 000	50.2	52.4	66.3	68.4	79.9	83.4	86.9	89.4	91.7	95.7	97.4	97.8	98.4	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.8	12.9	16.3	17.4	19.4	19.9	21.0	21.2	21.2	21.6	21.7	21.8	21.9	22.0	22.2	22.3
GE 20000	14.4	14.6	18.1	19.1	21.3	21.8	23.1	23.3	23.3	24.0	24.1	24.2	24.3	24.4	24.5	24.6
GE 18000	14.6	14.8	18.3	19.4	21.5	22.0	23.3	23.5	23.5	24.2	24.3	24.4	24.5	24.6	24.7	24.8
GE 16000	14.6	14.8	18.3	19.4	21.5	22.0	23.3	23.5	23.5	24.2	24.3	24.4	24.5	24.6	24.7	24.8
GE 14000	14.9	15.2	18.6	19.7	21.8	22.4	23.7	23.9	23.9	24.5	24.6	24.7	24.8	24.9	25.1	25.2
GE 12000	15.2	15.4	18.8	19.9	22.0	22.6	23.9	24.1	24.1	24.7	24.8	24.9	25.1	25.2	25.3	25.4
GE 10000	16.3	16.6	20.4	21.5	24.3	24.8	26.1	26.3	26.3	27.0	27.1	27.2	27.3	27.4	27.5	27.6
GE 9000	16.6	16.8	20.8	21.8	24.6	25.2	26.5	26.7	26.7	27.3	27.4	27.5	27.6	27.7	27.8	28.0
GE 8000	17.7	18.0	22.0	23.1	26.6	27.1	28.4	28.6	28.6	29.2	29.4	29.5	29.6	29.7	29.8	29.9
GE 7000	18.1	18.3	22.4	23.4	27.1	27.6	29.1	29.4	29.4	30.0	30.1	30.2	30.3	30.8	30.9	31.0
GE 6000	18.2	18.4	22.6	23.7	27.3	27.8	29.4	29.6	29.6	30.2	30.3	30.4	30.5	31.0	31.1	31.2
GE 5000	20.3	20.6	24.8	25.9	29.8	30.5	32.0	32.3	32.3	32.9	33.0	33.1	33.2	33.7	33.8	33.9
GE 4500	22.0	22.4	26.7	28.0	31.8	32.7	34.3	34.9	34.9	35.7	35.8	35.9	36.0	36.5	36.6	36.7
GE 4000	25.4	25.9	30.6	31.9	36.0	37.2	39.0	39.8	39.8	40.5	40.6	40.8	40.9	41.3	41.4	41.5
GE 3500	27.6	28.2	33.1	34.4	38.5	39.7	41.5	42.3	42.4	43.2	43.3	43.5	43.7	44.1	44.2	44.3
GE 3000	34.1	34.6	40.5	41.9	46.0	47.2	49.0	49.8	49.9	51.2	51.4	51.6	51.7	52.2	52.3	52.4
GE 2500	37.5	38.2	44.7	46.5	51.0	52.2	54.0	54.7	54.8	56.1	56.3	56.6	56.7	57.1	57.2	57.3
GE 2000	43.3	44.1	51.9	53.7	58.7	59.9	61.8	62.9	63.0	64.3	64.5	64.8	64.9	65.4	65.5	65.6
GE 1800	44.1	44.8	52.8	54.5	59.6	60.9	62.8	63.9	64.0	65.4	65.6	65.9	66.0	66.5	66.6	66.7
GE 1500	47.0	48.0	57.1	58.9	64.2	65.6	67.7	68.9	69.0	70.8	71.0	71.3	71.4	71.8	71.9	72.0
GE 1200	49.4	50.3	60.3	62.3	68.9	70.6	72.9	74.1	74.2	75.9	76.1	76.5	76.6	77.0	77.1	77.2
GE 1000	50.4	51.4	62.7	64.8	71.9	73.7	76.2	77.4	77.5	79.2	79.5	79.8	79.9	80.3	80.4	80.5
GE 900	50.6	51.6	63.3	65.7	73.8	75.5	78.1	79.2	79.4	81.2	81.4	81.7	81.8	82.3	82.4	82.5
GE 800	50.9	51.8	63.8	66.5	75.5	77.3	79.9	81.1	81.5	83.3	83.9	84.2	84.3	84.7	84.8	84.9
GE 700	50.9	51.8	64.0	66.7	76.2	78.4	81.2	82.7	83.3	85.6	86.2	86.6	86.7	87.1	87.2	87.3
GE 600	50.9	51.8	64.2	66.9	76.7	79.2	82.5	84.3	85.3	88.7	89.4	89.9	90.2	90.6	90.8	90.9
GE 500	51.1	52.0	64.6	67.4	77.3	80.1	83.9	86.1	87.1	91.2	92.0	92.6	92.9	93.4	93.7	93.8
GE 400	51.1	52.0	64.6	67.4	77.3	80.1	84.1	86.6	87.8	91.9	92.9	93.4	93.8	94.3	94.5	94.6
GE 300	51.1	52.0	64.6	67.4	77.3	80.1	84.1	86.7	88.2	92.9	94.5	95.3	95.6	96.1	96.3	96.5
GE 200	51.1	52.0	64.6	67.4	77.3	80.1	84.2	86.9	88.4	93.4	95.3	96.0	96.3	96.9	97.4	97.8
GE 100	51.1	52.0	64.6	67.4	77.3	80.1	84.2	86.9	88.4	93.4	95.5	96.2	96.7	97.7	98.4	99.2
GE 000	51.1	52.0	64.6	67.4	77.3	80.1	84.2	86.9	88.4	93.4	95.5	96.3	96.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.4	12.6	15.2	15.6	17.6	18.0	18.6	18.8	19.1	19.4	19.7	19.7	19.8	19.9	20.0	20.1
GE 20000	14.0	14.3	17.3	17.8	20.0	20.5	21.2	21.4	21.7	22.2	22.4	22.5	22.6	22.7	22.8	23.0
GE 18000	14.2	14.4	17.5	17.9	20.2	20.7	21.4	21.6	21.9	22.4	22.6	22.7	22.8	22.9	23.0	23.1
GE 16000	14.2	14.4	17.5	17.9	20.2	20.7	21.4	21.6	21.9	22.4	22.6	22.7	22.8	22.9	23.0	23.1
GE 14000	14.2	14.5	17.6	18.1	20.3	20.8	21.5	21.8	22.1	22.5	22.8	22.8	22.9	23.0	23.1	23.3
GE 12000	14.5	14.8	17.9	18.3	20.6	21.2	21.9	22.2	22.5	23.0	23.2	23.3	23.4	23.5	23.6	23.8
GE 10000	15.5	15.9	19.3	19.8	22.4	22.9	23.7	24.0	24.4	24.9	25.2	25.2	25.3	25.4	25.5	25.7
GE 9000	15.7	16.1	19.6	20.1	22.7	23.3	24.1	24.4	24.8	25.3	25.6	25.6	25.7	25.8	25.9	26.1
GE 8000	17.1	17.5	21.1	21.7	24.6	25.3	26.2	26.7	27.1	27.6	27.8	27.9	28.0	28.1	28.2	28.4
GE 7000	17.5	17.9	21.5	22.1	25.2	25.9	26.8	27.3	27.7	28.2	28.5	28.6	28.7	28.8	29.0	29.1
GE 6000	17.8	18.2	21.9	22.5	25.7	26.5	27.5	27.9	28.3	28.9	29.1	29.2	29.3	29.5	29.6	29.7
GE 5000	19.2	19.6	23.4	24.1	27.4	28.4	29.4	29.9	30.3	30.8	31.1	31.2	31.3	31.5	31.6	31.7
GE 4500	20.7	21.2	25.1	25.9	29.4	30.4	31.4	32.0	32.5	33.1	33.3	33.4	33.6	33.7	33.8	34.0
GE 4000	23.5	24.1	28.6	29.4	33.3	34.4	35.6	36.3	36.7	37.6	37.8	37.9	38.1	38.2	38.3	38.5
GE 3500	26.1	26.7	31.5	32.4	36.5	37.7	38.9	39.6	40.1	41.0	41.3	41.4	41.5	41.7	41.8	41.9
GE 3000	30.5	31.2	37.1	38.1	42.3	43.6	44.9	45.7	46.1	47.1	47.4	47.6	47.7	47.9	48.0	48.2
GE 2500	33.7	34.6	41.0	42.2	46.6	47.9	49.3	50.1	50.6	51.6	52.0	52.1	52.2	52.4	52.5	52.7
GE 2000	40.5	41.6	49.4	50.9	55.8	57.3	58.8	59.8	60.3	61.5	61.8	62.0	62.1	62.3	62.4	62.6
GE 1800	41.5	42.6	50.6	52.2	57.2	58.7	60.2	61.2	61.8	63.0	63.4	63.5	63.7	63.9	64.0	64.2
GE 1500	45.3	46.5	56.2	58.1	63.8	65.4	67.2	68.2	68.8	70.1	70.5	70.6	70.8	71.0	71.1	71.3
GE 1200	47.5	48.8	59.5	61.8	68.7	70.5	72.4	73.4	74.1	75.5	75.9	76.1	76.2	76.4	76.6	76.7
GE 1000	48.8	50.2	61.7	64.3	72.2	74.4	76.6	77.7	78.4	79.9	80.3	80.5	80.6	80.8	81.0	81.2
GE 900	48.9	50.3	62.1	64.8	73.2	75.6	77.9	79.1	79.9	81.4	81.9	82.0	82.2	82.4	82.6	82.7
GE 800	49.1	50.5	62.5	65.3	74.5	77.1	79.6	80.8	81.8	83.3	83.9	84.1	84.2	84.4	84.6	84.8
GE 700	49.4	50.8	63.1	66.0	75.8	78.8	81.7	83.2	84.3	86.3	87.0	87.2	87.3	87.5	87.7	87.9
GE 600	49.5	50.9	63.3	66.3	76.4	79.6	82.7	84.6	86.0	88.8	89.6	89.9	90.2	90.4	90.5	90.7
GE 500	49.5	50.9	63.4	66.4	76.8	80.3	83.8	86.2	87.8	91.1	92.2	92.5	92.9	93.1	93.3	93.6
GE 400	49.5	50.9	63.4	66.4	76.9	80.4	84.0	86.7	88.5	92.1	93.3	93.7	94.1	94.4	94.7	95.0
GE 300	49.5	50.9	63.4	66.4	76.9	80.4	84.1	86.9	89.0	93.2	94.9	95.4	95.9	96.3	96.7	97.3
GE 200	49.5	50.9	63.4	66.4	76.9	80.4	84.1	86.9	89.1	93.5	95.6	96.1	96.7	97.2	97.8	98.6
GE 100	49.6	50.9	63.4	66.4	76.9	80.4	84.1	87.0	89.2	93.6	95.8	96.4	97.0	97.8	98.7	99.8
GE 000	49.6	50.9	63.4	66.4	76.9	80.4	84.1	87.0	89.2	93.6	95.8	96.4	97.1	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.4	25.0	28.9	29.6	31.9	32.5	33.2	33.7	33.9	34.4	34.7	34.8	35.0	35.2	35.4	35.6
GE 20000	27.7	28.4	32.7	33.5	36.2	36.9	37.6	38.2	38.5	39.1	39.4	39.5	39.7	39.9	40.2	40.4
GE 18000	27.8	28.5	32.9	33.7	36.4	37.1	37.8	38.4	38.6	39.2	39.6	39.7	39.9	40.1	40.4	40.6
GE 16000	27.9	28.5	32.9	33.7	36.4	37.1	37.8	38.4	38.7	39.3	39.6	39.7	39.9	40.1	40.4	40.6
GE 14000	28.0	28.7	33.0	33.9	36.5	37.2	38.0	38.5	38.8	39.4	39.7	39.8	40.0	40.2	40.5	40.7
GE 12000	28.3	29.0	33.4	34.3	37.0	37.7	38.4	39.0	39.3	39.9	40.2	40.3	40.5	40.7	41.0	41.2
GE 10000	30.1	30.9	35.5	36.4	39.3	40.0	40.8	41.4	41.7	42.3	42.6	42.8	42.9	43.1	43.5	43.7
GE 9000	30.8	31.6	36.3	37.3	40.2	40.9	41.7	42.3	42.6	43.3	43.6	43.7	43.9	44.1	44.4	44.7
GE 8000	33.3	34.1	39.2	40.3	43.4	44.2	45.1	45.7	46.1	46.7	47.1	47.2	47.4	47.6	47.9	48.2
GE 7000	34.2	35.1	40.3	41.4	44.6	45.4	46.3	47.0	47.3	48.0	48.3	48.5	48.7	48.9	49.2	49.5
GE 6000	34.6	35.5	40.9	41.9	45.2	46.0	47.0	47.6	47.9	48.6	49.0	49.1	49.3	49.5	49.8	50.1
GE 5000	37.1	38.0	43.7	44.8	48.3	49.2	50.2	50.9	51.2	52.0	52.3	52.4	52.6	52.9	53.2	53.5
GE 4500	39.6	40.6	46.6	47.9	51.5	52.5	53.5	54.3	54.6	55.4	55.7	55.9	56.1	56.3	56.6	56.9
GE 4000	43.5	44.6	51.2	52.5	56.5	57.6	58.7	59.5	59.9	60.7	61.1	61.2	61.4	61.7	62.0	62.3
GE 3500	46.7	47.9	54.9	56.3	60.5	61.7	62.9	63.7	64.1	65.0	65.4	65.5	65.7	66.0	66.3	66.6
GE 3000	51.8	53.2	61.1	62.7	67.4	68.7	70.0	70.9	71.3	72.3	72.7	72.9	73.1	73.3	73.7	74.0
GE 2500	54.0	55.5	63.8	65.5	70.4	71.8	73.1	74.1	74.6	75.5	76.0	76.1	76.4	76.6	76.9	77.2
GE 2000	56.8	58.4	67.3	69.3	74.6	76.1	77.6	78.6	79.2	80.2	80.6	80.8	81.0	81.3	81.6	81.9
GE 1800	57.3	58.9	67.9	69.9	75.3	76.8	78.4	79.4	80.0	81.0	81.4	81.6	81.8	82.1	82.4	82.7
GE 1500	59.1	60.8	70.5	72.7	78.7	80.4	82.0	83.3	83.8	85.0	85.4	85.6	85.8	86.1	86.4	86.7
GE 1200	60.2	61.8	72.2	74.5	81.0	82.8	84.6	86.0	86.6	87.8	88.4	88.5	88.8	89.0	89.4	89.7
GE 1000	60.7	62.4	73.1	75.5	82.4	84.4	86.4	87.9	88.6	90.0	90.6	90.8	91.0	91.3	91.6	91.9
GE 900	60.9	62.5	73.4	75.9	83.0	85.1	87.1	88.7	89.5	90.9	91.5	91.7	92.0	92.2	92.6	92.9
GE 800	61.0	62.7	73.7	76.3	83.5	85.8	87.9	89.5	90.4	92.0	92.6	92.8	93.1	93.3	93.7	94.0
GE 700	61.1	62.8	73.9	76.5	83.9	86.3	88.6	90.3	91.2	92.9	93.7	93.9	94.2	94.4	94.8	95.1
GE 600	61.1	62.8	73.9	76.5	84.1	86.6	88.9	90.8	91.8	93.7	94.5	94.7	95.0	95.3	95.6	95.9
GE 500	61.1	62.8	73.9	76.6	84.2	86.7	89.2	91.2	92.3	94.4	95.3	95.5	95.8	96.1	96.5	96.9
GE 400	61.1	62.8	74.0	76.6	84.3	86.8	89.4	91.5	92.6	94.8	95.7	96.1	96.4	96.7	97.2	97.6
GE 300	61.1	62.8	74.0	76.6	84.3	86.8	89.4	91.6	92.8	95.2	96.2	96.6	96.9	97.3	97.8	98.4
GE 200	61.1	62.8	74.0	76.6	84.3	86.8	89.4	91.6	92.8	95.3	96.4	96.8	97.2	97.7	98.4	99.2
GE 100	61.1	62.8	74.0	76.6	84.3	86.8	89.4	91.6	92.9	95.3	96.5	96.9	97.3	97.8	98.6	99.8
GE 000	61.1	62.8	74.0	76.6	84.3	86.8	89.4	91.6	92.9	95.3	96.5	96.9	97.3	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 87669

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 100							.1						.0
GE 95						.4	1.8	.2					.2
GE 90						1.3	4.7	.4					.6
GE 85				.2	1.1	4.0	12.2	6.6	1.1				2.1
GE 80				.5	4.6	14.9	25.2	19.8	5.6	.2			5.9
GE 75			.2	3.2	14.2	31.6	44.2	39.7	18.5	1.6			12.7
GE 70			.8	9.3	29.6	51.1	65.3	62.0	38.7	5.5			21.8
GE 65		.3	4.1	19.4	45.2	70.8	85.7	84.6	61.6	14.8	.4	.1	32.2
GE 60		1.2	10.7	36.1	69.2	90.6	97.7	98.4	84.0	35.1	2.8	.3	43.8
GE 55	1.0	4.4	22.5	57.7	88.0	98.5	99.9	100.0	96.3	62.7	11.9	2.5	53.9
GE 50	6.5	14.4	44.7	76.4	97.5	99.9	100.0		99.8	84.8	30.7	10.8	63.9
GE 45	20.9	33.6	69.2	92.7	99.7	100.0			100.0	96.0	56.1	27.2	74.8
GE 40	38.6	53.3	84.9	98.8	100.0					99.3	77.0	45.6	83.3
GE 35	66.1	75.2	95.7	99.9						100.0	93.0	72.5	91.9
GE 33	74.2	80.9	98.3	100.0							96.1	80.9	94.3
GE 30	83.4	91.2	99.5								99.6	90.8	97.1
GE 25	92.9	96.6	99.9								100.0	97.1	98.9
GE 20	96.7	98.5	100.0									99.5	99.6
GE 15	99.6	99.8										100.0	100.0
GE 10	100.0	99.9											100.0
GE 5		100.0											100.0
MEAN	37.3	40.4	48.5	56.5	64.5	70.2	73.8	72.7	67.3	56.9	45.6	39.3	56.1
SD	8.24	8.59	8.43	9.00	8.65	8.34	8.62	7.51	7.56	7.54	7.35	7.83	15.33
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805

MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 70							.1						.0
GE 65						.4	.8	.1	.2				.1
GE 60					.6	3.9	11.1	7.2	1.6	.4			2.0
GE 55					3.7	24.3	38.4	33.1	13.1	2.7	.1		9.5
GE 50		.1	1.0	2.9	20.2	53.1	74.5	68.1	38.4	12.1	2.2	.6	22.7
GE 45	2.1	2.0	5.0	12.0	46.9	79.2	92.4	87.3	63.5	32.5	9.3	4.5	36.3
GE 40	8.6	8.4	15.4	29.8	69.4	94.7	98.9	97.5	83.1	51.9	25.1	13.2	49.6
GE 35	25.5	22.1	37.2	56.0	89.6	99.3	100.0	99.9	95.2	76.3	49.4	32.0	65.3
GE 33	35.1	31.8	46.3	66.0	94.0	99.7		100.0	98.1	82.9	60.0	42.6	71.4
GE 30	50.4	48.5	62.7	82.6	98.3	100.0			99.9	90.9	76.3	58.3	80.8
GE 25	69.1	67.8	83.8	96.9	99.9				100.0	98.7	92.2	75.7	90.4
GE 20	79.0	80.2	93.0	99.8	100.0					99.9	97.6	85.2	94.6
GE 15	87.5	88.9	97.6	100.0						100.0	99.7	92.9	97.3
GE 10	93.1	92.5	99.2								100.0	97.2	98.5
GE 5	96.8	96.0	99.8									99.4	99.3
GE 0	99.1	98.5	100.0									100.0	99.8
GE -5	99.8	99.5											99.9
GE -10	100.0	100.0											100.0
MEAN	27.5	27.2	31.7	36.0	43.3	49.6	52.7	51.6	46.6	40.3	34.6	30.0	39.3
SD	10.30	10.25	8.02	6.75	6.68	6.07	5.49	5.64	6.85	7.66	7.38	9.23	11.77
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80						.2	.7						.1
GE 75					.1	.8	4.0	.8	.1				.5
GE 70					.7	6.1	16.1	10.4	.9				2.8
GE 65				.1	5.2	23.6	40.4	32.3	11.2	.6			9.4
GE 60			.3	2.6	20.2	51.9	72.8	70.4	34.3	5.0			21.3
GE 55		.2	1.6	10.7	46.9	81.9	95.9	93.9	66.4	19.9	2.2	.5	34.9
GE 50	1.1	1.6	8.4	33.5	75.7	96.9	100.0	99.7	90.7	46.8	8.7	2.2	47.1
GE 45	7.0	9.8	30.2	59.5	94.2	99.9		100.0	98.8	74.1	27.9	11.4	59.5
GE 40	22.0	25.9	56.4	85.0	99.4	100.0			100.0	92.7	54.2	30.2	72.3
GE 35	46.3	52.7	81.2	98.2	100.0					99.4	80.3	54.2	84.5
GE 33	56.9	61.8	86.8	99.5						99.8	87.9	64.2	88.2
GE 30	69.6	74.3	92.9	99.9						100.0	94.3	76.5	92.4
GE 25	82.1	87.8	98.4	100.0							99.4	88.8	96.4
GE 20	91.4	92.8	99.6								99.9	96.4	98.4
GE 15	95.6	96.5	100.0								100.0	99.1	99.3
GE 10	98.7	99.2										99.9	99.8
GE 5	99.9	99.8										100.0	100.0
GE 0	100.0	100.0											100.0
MEAN	32.7	34.0	40.4	46.5	54.2	60.1	63.5	62.4	57.2	48.9	40.4	34.9	47.9
SD	8.86	8.70	7.01	6.44	6.28	5.99	5.89	5.19	5.72	6.37	6.73	8.11	12.88
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			62	78	79	94	100	94	71	63	52	50	100*
53	44	55	70	73	89	83	86	91	88	74	60	66	91
54	52	49	64	66	82	89	81	88	87	69	61	51	89
55	52	50	73	82	81	85	90	83	79	67	65	53	90
56	51	41	66	69	87	77	90	86	77	77	51	56	90
57	51	61	66	72	78	93	98	85	80	71	61	50	98
58	52	64	64	67	80	83	85	88	84	66	54	52	88
59	55	61	69	79	78	84	95	86	86	74	58	54	95
60	55	67	64	72	80	87	79	84	74	70	59	53	87
61	50	65	71	77	76	86	89	87	86	72	54	58	89
62	52	48	55	79	76	82	87	91	87	77	59	50	91
63	40	42	57	68	77	79	86	86	78	66	65	45	86
64	42	57	56	74	83	91	95	89	84	70	58	53	95
65	49	41	65	67	81	86	84	82	77	68	59	55	86
66	55	59	56	69	81	87	82	91	82	79	55	52	91
67	55	57	63	71	85	90	92	88	81	75	60	53	92
68	50	50	76	85	79	85	92	79	76	72	68	47	92
69	47	50	56	72	88	81	83*	68*	79	70	62	40	88*
70	47	49	56	76	74	86	85	88	76	72	61	52	88
71	51	48	55	77	82	75	89	93	82	75	57	55	93
72	55	57	69	73	78	84	89	84	75	69	66	53	89
73	46	50	71	66	80	84	87	87	87	69	57	48	87
74	53	55	73	75	80	82	86	96	80	51	60	55	96
75	55	55	57	75	78	86	89	91	82	62	59	48	91
76	50	59	64	75	87	98	98	87	77	71	55	48	98
77	51	53	68	69	78	91	87	84	80	75	64	55	91
78	46	59	64	68	77	84	89	84	78	78	53	55	89
79	39	50	53	68	87	86	87	84	81	77	54	57	87
80	48	54	61	70	72	81	86	88	79	64	59	48	88
81	46	48	66	72	82	82	84	86	81	68	59	48	86
82	50	54	63	68	79	84	90	82	86	63	63	52	90
83	55	50	61	70	75	84	97	88	79	79	59	54	97
84	50	46	55	77	73	86	97	84	82	66	59	46	97
85	52	54	59	75	81	82	90	90	82	81	63	61	90



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	50	41	63	66	82	88	86	97	77	75	63	55	97
87	52	46	57	77	73	90	82	88	86	66	55	57	90
88	57	50	55	75	79								79*

GREATEST	57	67	76	85	89	98	100	97	88	81	68	66	100
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

THE GREATEST VALUE OF 100 OCCURRED ON 07/02/52

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			23	24	29	35	38	40	31	25	20	10	10*
53	12	-1	20	28	26	34	42	40	32	25	24	2	-1
54	1	1	24	23	30	40	40	43	35	32	19	24	1
55	13	8	12	23	30	37	43	43	32	21	17	17	8
56	1	-9	14	22	29	37	47	38	37	31	12	14	-9
57	5	22	19	27	28	37	46	38	32	27	25	16	5
58	9	15	7	19	33	39	42	41	39	30	29	13	7
59	9	13	23	23	33	37	46	37	31	24	27	20	9
60	-7	9	25	25	24	40	37	44	30	29	26	18	-7
61	11	23	22	37	33	43	39	43	38	25	16	7	7
62	10	11	15	28	27	31	39	39	33	24	24	0	0
63	-5	-8	4	24	28	42	40	36	32	26	27	4	-8
64	3	12	14	27	36	39	41	36	33	24	25	12	3
65	19	7	5	26	29	41	45	39	33	21	15	20	5
66	0	23	18	26	31	38	44	38	32	24	17	20	0
67	8	11	22	21	26	37	43	41	39	28	23	14	8
68	-8	20	21	21	30	39	44	42	39	30	28	5	-8
69	15	5	19	24	33	39	42*	50*	34	32	19	6	5*
70	19	4	12	24	32	35	39	40	32	24	23	8	4
71	-2	15	3	24	37	39	39	42	30	24	15	21	-2
72	6	6	17	26	33	35	42	42	28	17	23	8	6
73	8	17	19	24	30	37	46	39	33	23	10	0	0
74	24	19	23	26	35	37	39	42	33	28	24	23	19
75	21	19	19	23	30	33	42	46	44	28	17	8	8
76	3	17	10	23	30	37	44	42	35	24	21	5	3
77	21	15	17	23	32	39	39	44	35	33	17	15	15
78	21	3	24	23	37	37	42	37	35	30	23	12	3
79	1	17	21	26	28	42	37	37	34	27	21	27	1
80	9	21	21	28	30	41	41	34	39	30	21	9	9
81	12	12	27	23	28	41	45	39	37	30	18	7	7
82	1	12	23	25	28	43	43	41	39	34	27	19	1
83	25	16	27	30	39	41	45	45	36	27	14	18	14
84	21	14	21	23	30	39	39	46	39	32	23	14	14
85	-2	-6	25	27	30	36	43	39	30	25	19	12	-6

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	14	0	18	18	36	41	41	41	34	30	23	14	0
87	-2	7	10	28	34	41	43	39	32	32	28	10	-2
88	27	19	21	27	34								19*

LEAST	-8	-9	3	18	24	31	37	34	28	17	10	0	-9
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

THE LEAST VALUE OF -9 OCCURRED ON 02/18/56

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52			42	51	54	59	66	64	52	46	37	32	50*
53	31	33	42	49	57	60	64	62	57	51	41	38	49
54	27	30	43	44	53	61	60	62	57	50	41	39	47
55	30	30	36	46	52	60	64	63	57	47	39	37	47
56	34	14	40	44	56	56	63	58	58	48	37	37	46
57	31	42	46	47	50	63	66	60	55	50	42	33	49
58	33	39	33	42	57	59	63	64	59	48	41	38	48
59	34	34	44	49	55	61	68	63	57	48	39	38	49
60	33	36	44	47	55	61	60	62	54	49	44	34	48
61	33	42	43	52	52	60	60	61	62	51	39	33	49
62	37	34	33	47	50	57	61	62	55	48	37	27	46
63	21	21	39	48	52	60	63	61	57	45	46	26	45
64	29	37	36	48	59	64	66	61	58	47	43	34	49
65	36	30	39	45	53	59	60	59	55	46	38	39	47
66	29	43	39	49	55	61	60	61	58	54	36	37	49
67	35	38	44	44	55	60	67	63	58	55	41	34	50
68	34	37	43	50	54	61	62	61	56	52	40	30	48
69	34	28	38	45	56	58	62*	57*	57	50	41	27	44*
70	31	33	37	44	54	64	61	64	58	49	44	33	48
71	30	37	35	48	58	57	64	63	57	49	38	38	48
72	34	41	43	48	53	56	64	61	51	46	42	33	48
73	33	35	41	44	57	61	62	65	58	46	37	32	48
74	39	38	44	49	54	59	61	64	56	41	41	41	49
75	40	37	39	46	54	60	66	68	62	46	40	33	49
76	37	36	37	46	57	66	71	64	56	48	42	31	49
77	35	39	44	43	55	63	64	64	56	50	43	37	49
78	36	32	44	46	54	60	63	61	57	50	40	36	48
79	25	34	42	44	54	63	62	60	58	51	39	41	48
80	31	40	42	44	51	57	59	62	59	47	38	31	47
81	30	31	46	46	53	58	61	63	58	48	42	31	47
82	28	33	40	43	53	61	65	62	61	50	45	38	48
83	40	33	43	49	52	62	70	67	59	49	38	35	50
84	36	35	38	44	52	59	64	62	56	51	41	35	48
85	25	28	40	48	56	57	63	61	58	49	36	41	47

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: -01

PERIOD OF RECORD: 5203-8805  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	36	23	40	45	58	63	64	63	54	52	43	38	49
87	26	33	35	49	51	59	64	63	62	50	42	38	48
88	42	37	40	46	57								45*
MEAN	32.7	34.0	40.4	46.5	54.2	60.1	63.5	62.4	57.2	48.9	40.4	34.9	47.9
TOTAL OBS	1116	1017	1146	1110	1147	1080	1095	1089	1080	1116	1080	1116	13192

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	30.7	10.462	929	3	471	0	0	0	929
03-05	30.3	10.673	930	8	485	0	0	0	930
06-08	30.2	10.795	930	4	503	0	0	0	930
09-11	31.3	10.469	930	0	459	0	0	0	930
12-14	34.1	9.380	930	0	358	0	0	0	930
15-17	34.6	9.077	930	0	332	0	0	0	930
18-20	32.7	9.599	930	0	425	0	0	0	930
21-23	31.6	10.073	930	0	456	0	0	0	930
ALL HOURS	31.9	10.198	7439	15	3489	0	0	0	7439

MONTH: FEB

00-02	30.0	8.938	849	1	511	0	0	0	849
03-05	29.2	9.738	849	7	542	0	0	0	849
06-08	28.8	10.051	849	11	548	0	0	0	849
09-11	31.7	8.503	849	0	438	0	0	0	849
12-14	36.3	7.458	849	0	260	0	0	0	849
15-17	37.5	7.206	849	0	218	0	0	0	849
18-20	34.0	6.965	849	0	357	0	0	0	849
21-23	31.5	7.769	849	0	469	0	0	0	849
ALL HOURS	32.4	8.958	6792	19	3343	0	0	0	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY ULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	37.1	7.290	930	0	273	0	0	0	930
03-05	36.2	7.641	930	0	330	0	0	0	930
06-08	36.0	7.962	930	0	338	0	0	0	930
09-11	40.4	6.857	930	0	110	0	0	0	930
12-14	44.8	6.515	930	0	22	1	0	0	930
15-17	46.0	6.507	930	0	11	3	0	0	930
18-20	42.7	6.396	930	0	54	1	0	0	930
21-23	39.1	6.816	930	0	182	0	0	0	930
ALL HOURS	40.3	7.900	7440	0	1320	5	0	0	7440

MONTH: APR

00-02	40.5	6.796	900	0	110	0	0	0	900
03-05	38.	6.847	900	0	204	0	0	0	900
06-08	39.9	6.794	900	0	142	0	0	0	900
09-11	48.1	7.660	900	0	6	14	0	0	900
12-14	52.8	8.855	900	0	3	96	0	0	900
15-17	54.1	9.199	900	0	0	135	0	0	900
18-20	50.6	8.370	900	0	6	48	0	0	900
21-23	44.2	6.979	900	0	25	0	0	0	900
ALL HOURS	46.1	9.666	7200	0	496	293	0	0	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	48.2	6.816	930	0	21	3	0	0	930
03-05	46.2	6.981	930	0	39	2	0	0	930
06-08	49.0	6.825	930	0	10	2	0	0	930
09-11	56.3	7.590	930	0	0	113	1	0	930
12-14	60.3	8.774	930	0	0	266	13	0	930
15-17	61.3	9.138	930	0	0	311	18	0	930
18-20	58.5	8.511	930	0	0	197	6	0	930
21-23	51.8	6.859	930	0	0	23	0	0	930
ALL HOURS	53.9	9.487	7440	0	70	917	38	0	7440

MONTH: JUN

00-02	54.2	5.745	901	0	0	27	0	0	901
03-05	52.2	5.788	900	0	0	13	0	0	900
06-08	55.7	5.738	899	0	0	53	0	0	899
09-11	62.7	7.317	900	0	0	305	7	0	900
12-14	66.4	8.354	900	0	0	445	70	0	900
15-17	67.3	8.575	900	0	0	485	99	0	900
18-20	64.7	7.910	900	0	0	385	40	0	900
21-23	58.1	6.198	900	0	0	119	0	0	900
ALL HOURS	60.1	8.955	7200	0	0	1832	216	0	7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.3	5.657	930	0	0	64	0	0	930
03-05	55.1	5.896	930	0	0	34	0	0	930
06-08	58.4	5.901	930	0	0	109	0	0	930
09-11	66.5	7.496	930	0	0	468	49	0	930
12-14	71.1	8.826	930	0	0	667	173	7	930
15-17	72.4	9.116	930	0	0	696	213	14	930
18-20	69.5	8.236	930	0	0	596	120	3	930
21-23	61.7	6.021	930	0	0	247	3	0	930
ALL HOURS	64.0	9.593	7440	0	0	2881	558	24	7440

MONTH: AUG

00-02	56.6	5.818	930	0	0	43	1	0	930
03-05	54.3	6.318	930	0	0	18	0	0	930
06-08	55.9	6.183	928	0	0	34	0	0	928
09-11	64.7	6.351	930	0	0	401	11	0	930
12-14	69.9	7.235	930	0	0	646	110	2	930
15-17	71.0	7.506	930	0	0	693	137	3	930
18-20	67.0	7.216	930	0	0	499	53	1	930
21-23	60.0	5.792	930	0	0	151	3	0	930
ALL HOURS	62.4	9.030	7438	0	0	2485	315	6	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	52.3	6.846	900	0	0	30	0	0	900
03-05	50.7	7.374	900	0	2	21	0	0	900
06-08	51.1	7.403	900	0	4	24	0	0	900
09-11	59.1	6.550	900	0	0	160	0	0	900
12-14	65.4	7.329	900	0	0	433	24	0	900
15-17	66.4	7.717	900	0	0	485	36	0	900
18-20	60.7	6.746	900	0	0	210	3	0	900
21-23	54.9	6.422	900	0	0	43	0	0	900
ALL HOURS	57.6	9.167	7200	0	6	1406	63	0	7200

MONTH: OCT

00-02	46.0	7.370	929	0	42	3	0	0	929
03-05	45.1	7.629	930	0	72	0	0	0	930
06-08	45.5	7.472	930	0	70	0	0	0	930
09-11	49.6	7.262	930	0	12	18	0	0	930
12-14	54.9	7.567	930	0	0	88	3	0	930
15-17	55.7	7.598	930	0	0	103	1	0	930
18-20	50.6	6.933	930	0	2	21	0	0	930
21-23	47.4	7.173	930	0	25	6	0	0	930
ALL HOURS	49.4	8.370	7439	0	223	239	4	0	7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	38.6	8.050	900	0	225	0	0	0	900
03-05	37.9	8.220	900	0	269	0	0	0	900
06-08	37.8	8.280	900	0	260	0	0	0	900
09-11	40.0	7.780	900	0	173	0	0	0	900
12-14	43.6	7.421	900	0	60	0	0	0	900
15-17	43.8	7.272	900	0	64	0	0	0	900
18-20	40.7	7.324	900	0	142	0	0	0	900
21-23	39.2	7.707	900	0	192	0	0	0	900
ALL HOURS	40.2	8.032	7200	0	1385	0	0	0	7200

MONTH: DEC

00-02	35.4	8.912	930	0	334	0	0	0	930
03-05	35.0	8.988	930	0	346	0	0	0	930
06-08	34.9	9.008	930	0	360	0	0	0	930
09-11	35.9	8.563	930	0	321	0	0	0	930
12-14	38.5	7.853	930	0	222	0	0	0	930
15-17	38.5	7.577	930	0	216	0	0	0	930
18-20	36.6	8.028	930	0	291	0	0	0	930
21-23	35.8	8.756	930	0	317	0	0	0	930
ALL HOURS	36.3	8.618	7440	0	2407	0	0	0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	44.0	12.052	10958	4	1987	170	1	0	10958
03-05	42.6	11.774	10959	15	2289	88	0	0	10959
06-08	43.7	12.638	10956	15	2235	222	0	0	10956
09-11	49.0	14.603	10959	0	1519	1479	68	0	10959
12-14	53.3	15.193	10959	0	925	2642	393	9	10959
15-17	54.1	15.435	10959	0	841	2911	504	17	10959
18-20	50.8	14.884	10959	0	1277	1957	222	4	10959
21-23	46.3	12.778	10959	0	1666	589	6	0	10959
ALL HOURS	48.0	14.365	87668	34	12739	10058	1194	30	87668

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	29.0	9.955	926	580	3	0	0	0	926
03-05	28.7	10.221	927	579	3	0	0	0	927
06-08	28.6	10.345	925	593	2	0	0	0	925
09-11	29.5	9.974	925	559	4	0	0	0	925
12-14	31.7	9.014	926	463	12	0	0	0	926
15-17	32.1	8.747	927	449	12	0	0	0	927
18-20	30.6	9.151	927	512	10	0	0	0	927
21-23	29.7	9.556	927	557	6	0	0	0	927
ALL HOURS	30.0	9.742	7410	4292	52	0	0	0	7410

MONTH: FEB

00-02	28.1	8.567	849	607	0	0	0	0	849
03-05	27.4	9.232	849	626	0	0	0	0	849
06-08	27.0	9.538	849	626	0	0	0	0	849
09-11	29.4	8.115	848	538	0	0	0	0	848
12-14	32.6	7.007	849	425	0	0	0	0	849
15-17	33.4	6.710	849	388	0	0	0	0	849
18-20	31.2	6.837	849	488	0	0	0	0	849
21-23	29.3	7.543	849	585	0	0	0	0	849
ALL HOURS	29.8	8.305	6791	4283	0	0	0	0	6791

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	34.5	6.964	930	378	25	0	0	0	930
03-05	33.8	7.405	930	417	21	0	0	0	930
06-08	33.7	7.659	930	420	18	0	0	0	930
09-11	37.0	6.491	930	206	26	0	0	0	930
12-14	39.7	5.835	930	104	50	0	0	0	930
15-17	40.4	5.786	930	84	52	0	0	0	930
18-20	38.5	5.978	930	147	32	0	0	0	930
21-23	36.1	6.594	930	283	27	0	0	0	930
ALL HOURS	36.7	7.084	7440	2039	251	0	0	0	7440

MONTH: APR

00-02	37.6	6.330	900	206	32	0	0	0	900
03-05	36.1	6.458	900	279	19	0	0	0	900
06-08	37.3	6.303	900	210	32	0	0	0	900
09-11	42.6	6.164	900	35	137	0	0	0	900
12-14	44.9	6.391	900	16	254	0	0	0	900
15-17	45.4	6.388	900	13	271	0	0	0	900
18-20	43.7	6.274	900	22	196	0	0	0	900
21-23	40.3	6.210	900	88	77	0	0	0	900
ALL HOURS	41.0	7.187	7200	869	1018	0	0	0	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	45.4	6.412	930	36	234	0	0	0	930
03-05	43.8	6.697	930	63	207	0	0	0	930
06-08	45.9	6.314	930	21	286	0	0	0	930
09-11	50.3	5.988	930	0	543	3	0	0	930
12-14	51.9	6.238	930	0	618	6	0	0	930
15-17	52.3	6.265	930	0	628	7	0	0	930
18-20	51.1	6.163	930	0	566	3	0	0	930
21-23	48.0	6.186	930	2	386	0	0	0	930
ALL HOURS	48.6	6.983	7440	122	3468	19	0	0	7440

MONTH: JUN

00-02	51.5	5.457	901	0	553	0	0	0	901
03-05	49.8	5.496	900	0	475	1	0	0	900
06-08	52.3	5.275	899	0	607	1	0	0	899
09-11	56.0	5.779	900	0	772	33	0	0	900
12-14	57.3	5.937	900	0	812	57	2	0	900
15-17	57.6	5.875	899	0	840	63	0	0	899
18-20	56.7	5.767	900	0	816	49	0	0	900
21-23	54.0	5.578	900	0	694	11	0	0	900
ALL HOURS	54.4	6.307	7199	0	5569	215	2	0	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	53.7	5.292	930	0	730	8	0	0	930
03-05	52.1	5.592	930	0	629	5	0	0	930
06-08	54.3	5.321	929	0	773	7	0	0	929
09-11	58.5	5.366	930	0	895	69	1	0	930
12-14	60.0	5.457	930	0	910	111	7	0	930
15-17	60.4	5.259	930	0	916	131	9	0	930
18-20	59.5	5.220	930	0	909	102	2	0	930
21-23	56.5	5.130	930	0	853	23	0	0	930
ALL HOURS	56.9	6.091	7439	0	6615	456	19	0	7439

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	53.3	5.222	930	0	738	2	0	0	930
03-05	51.5	5.859	930	3	632	1	0	0	930
06-08	52.7	5.555	927	0	708	2	0	0	927
09-11	58.0	4.676	928	0	897	32	0	0	928
12-14	59.7	4.774	930	0	920	71	0	0	930
15-17	60.0	4.658	929	0	921	74	0	0	929
18-20	58.8	4.862	930	0	906	48	0	0	930
21-23	55.6	4.968	930	0	827	7	0	0	930
ALL HOURS	56.2	5.987	7434	3	6549	237	0	0	7434



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	49.8	6.305	900	0	482	0	0	0	900
03-05	48.4	6.904	900	11	423	0	0	0	900
06-08	48.7	6.799	900	15	431	0	0	0	900
09-11	54.3	5.437	900	0	726	6	0	0	900
12-14	57.1	5.539	900	0	825	36	1	0	900
15-17	57.4	5.670	900	0	821	37	3	0	900
18-20	55.1	5.469	899	0	759	13	1	0	899
21-23	51.7	5.801	900	0	579	2	0	0	900
ALL HOURS	52.8	6.927	7199	26	5046	94	5	0	7199

MONTH: OCT

00-02	43.9	6.894	917	60	196	0	0	0	917
03-05	43.2	7.151	918	89	172	0	0	0	918
06-08	43.4	7.114	918	91	185	0	0	0	918
09-11	46.6	6.388	921	27	334	0	0	0	921
12-14	49.9	5.950	921	0	498	0	0	0	921
15-17	50.3	5.981	921	0	503	0	0	0	921
18-20	47.5	6.305	921	12	354	0	0	0	921
21-23	45.1	6.651	920	47	237	0	0	0	920
ALL HOURS	46.2	7.050	7357	326	2479	0	0	0	7357

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF LE 32	GE 50	HOURS WITH GE 67	TEMPERATURES GE 73	DEG F GE 80	TOTAL HOURS
00-02	36.7	7.682	897	301	46	0	0	0	0	897
03-05	36.2	7.844	897	326	46	0	0	0	0	897
06-08	36.1	7.843	897	323	35	0	0	0	0	897
09-11	37.8	7.388	899	229	51	0	0	0	0	899
12-14	40.4	6.909	899	109	89	0	0	0	0	899
15-17	40.6	6.827	900	120	105	0	0	0	0	900
18-20	38.5	7.026	900	194	69	0	0	0	0	900
21-23	37.2	7.358	897	259	53	0	0	0	0	897
ALL HOURS	37.9	7.564	7186	1861	494	0	0	0	0	7186

MONTH: DEC

00-02	33.7	8.353	930	391	20	0	0	0	930
03-05	33.4	8.492	930	409	13	0	0	0	930
06-08	33.3	8.589	930	420	14	0	0	0	930
09-11	34.1	8.158	930	392	13	0	0	0	930
12-14	36.1	7.269	930	291	26	0	0	0	930
15-17	36.1	7.061	930	290	23	0	0	0	930
18-20	34.7	7.543	930	353	11	0	0	0	930
21-23	34.0	8.233	930	375	15	0	0	0	930
ALL HOURS	34.4	8.035	7440	2921	135	0	0	0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	41.5	11.427	10940	2559	3059	10	0	0	10940
03-05	40.4	11.265	10941	2802	2640	7	0	0	10941
06-08	41.2	11.852	10934	2719	3091	10	0	0	10934
09-11	44.6	12.476	10941	1986	4398	143	1	0	10941
12-14	46.9	12.007	10945	1408	5014	281	10	0	10945
15-17	47.2	11.924	10945	1344	5092	312	12	0	10945
18-20	45.6	12.177	10946	1728	4628	215	3	0	10946
21-23	43.2	11.741	10943	2196	3754	43	0	0	10943
ALL HOURS	43.8	12.118	87535	16742	31676	1021	26	0	87535

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	25.5	10.967	926	492	137	926	0	926
03-05	25.2	11.304	927	519	133	927	0	927
06-08	25.1	11.459	925	515	140	925	0	925
09-11	25.9	11.136	925	491	155	925	0	925
12-14	27.5	10.416	926	446	173	926	0	926
15-17	27.6	10.311	927	441	171	927	0	927
18-20	26.8	10.327	927	470	163	927	0	927
21-23	26.1	10.582	927	483	141	927	0	927
ALL HOURS	26.2	10.873	7410	3857	1213	7410	0	7410

MONTH: FEB

00-02	24.1	9.974	849	540	93	849	0	849
03-05	23.4	10.533	849	554	87	849	0	849
06-08	22.9	10.890	849	548	77	849	0	849
09-11	24.7	9.843	848	498	86	848	0	849
12-14	26.2	9.330	849	446	114	849	0	849
15-17	26.5	9.217	849	426	136	849	0	849
18-20	25.9	9.052	849	458	107	849	0	849
21-23	24.9	9.263	849	515	91	849	0	849
ALL HOURS	24.8	9.878	6791	3985	791	6791	0	6791

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	30.5	8.423	930	327	222	930	0	930
03-05	30.0	8.817	930	358	214	930	0	930
06-08	29.8	9.003	930	343	207	930	0	930
09-11	32.1	8.212	930	247	273	930	0	930
12-14	32.8	8.308	930	241	317	930	0	930
15-17	32.9	8.438	930	252	325	930	0	930
18-20	32.5	8.319	930	250	298	930	0	930
21-23	31.6	8.177	930	280	261	930	0	930
ALL HOURS	31.5	8.578	7440	2298	2117	7440	0	7440

MONTH: APR

00-02	33.8	7.177	900	179	315	900	0	900
03-05	32.7	7.234	900	232	261	900	0	900
06-08	33.6	7.109	900	204	290	900	0	900
09-11	36.1	7.374	900	124	422	900	0	900
12-14	35.9	7.712	900	141	424	899	0	900
15-17	35.7	7.806	900	136	418	900	0	900
18-20	35.7	7.847	900	126	420	897	0	900
21-23	35.4	7.330	900	126	407	900	0	900
ALL HOURS	34.9	7.583	7200	1268	2957	7196	0	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	42.6	7.131	930	19	735	914	0	930
03-05	41.2	7.312	930	36	696	919	0	930
06-08	42.9	6.962	930	18	760	917	0	930
09-11	44.7	6.877	930	11	804	892	0	930
12-14	44.4	7.297	930	21	783	894	0	930
15-17	44.1	7.458	930	19	779	897	0	930
18-20	44.3	7.453	930	18	778	890	0	930
21-23	44.3	7.001	930	6	787	891	0	930
ALL HOURS	43.6	7.300	7440	148	6122	7210	0	7440

MONTH: JUN

00-02	49.3	5.763	901	0	893	785	0	900
03-05	47.8	5.700	900	0	879	838	1	900
06-08	49.6	5.538	899	0	897	789	0	900
09-11	50.9	6.301	900	0	899	717	7	900
12-14	50.3	6.503	900	0	893	731	12	900
15-17	50.3	6.597	899	0	889	747	11	900
18-20	50.5	6.589	900	0	891	735	14	900
21-23	50.8	6.089	900	0	899	727	7	900
ALL HOURS	49.9	6.252	7199	0	7140	6069	52	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	50.9	5.877	930	0	922	751	6	930
03-05	49.6	6.090	930	0	915	798	5	930
06-08	51.2	5.815	929	0	923	760	2	929
09-11	52.6	5.958	930	0	929	674	13	930
12-14	52.1	6.085	930	0	930	697	14	930
15-17	52.0	5.945	930	0	928	724	13	930
18-20	52.3	6.058	930	0	928	682	17	930
21-23	52.5	5.893	930	0	928	686	11	930
ALL HOURS	51.7	6.072	7439	0	7403	5772	81	7439

MONTH: AUG

00-02	50.8	5.701	930	2	914	788	0	930
03-05	49.1	6.337	930	5	891	839	0	930
06-08	50.1	5.973	927	1	901	803	0	930
09-11	53.1	5.217	928	0	925	679	3	930
12-14	52.4	5.688	930	0	923	697	3	930
15-17	52.1	5.532	929	0	922	707	2	930
18-20	52.8	5.669	930	0	925	667	5	930
21-23	52.3	5.421	930	0	924	707	1	930
ALL HOURS	51.6	5.891	7434	8	7325	5887	14	7434

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: JUN 78 - MAY 88

LST TO UTC: - 1

MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	47.7	6.577	900	0	838	815	0	900
03-05	46.3	7.219	900	0	802	825	0	900
06-08	46.5	7.027	900	2	818	824	0	900
09-11	50.4	5.945	900	0	896	728	1	900
12-14	50.7	6.773	900	0	880	695	4	900
15-17	50.3	6.973	900	0	874	69	8	900
18-20	50.7	6.307	899	0	890	702	7	899
21-23	49.2	6.170	900	0	882	772	0	900
ALL HOURS	49.0	6.905	7199	2	6880	6057	20	7199

MONTH: OCT

00-02	41.7	7.168	917	44	711	911	0	921
03-05	41.2	7.464	918	57	701	913	0	921
06-08	41.3	7.451	918	53	718	910	0	921
09-11	43.8	6.613	921	11	812	907	0	921
12-14	45.3	6.479	921	9	836	898	0	921
15-17	45.4	6.574	921	8	826	898	0	921
18-20	44.5	6.827	921	10	808	902	0	921
21-23	42.8	7.005	920	31	748	914	0	921
ALL HOURS	43.2	7.169	7357	223	6160	7253	0	7357



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	34.1	8.414	897	225	345	897	0	897
03-05	33.6	8.541	897	231	345	897	0	897
06-08	33.5	8.577	897	222	344	897	0	897
09-11	34.9	8.131	899	166	397	899	0	899
12-14	36.4	7.945	899	120	457	899	0	899
15-17	36.5	8.070	900	133	449	900	0	900
18-20	35.5	8.076	900	155	382	900	0	900
21-23	34.4	8.133	897	193	345	897	0	897
ALL HOURS	34.9	8.338	7186	1445	3064	7186	0	7186

MONTH: DEC

00-02	31.0	9.079	930	291	263	930	0	930
03-05	30.7	9.167	930	300	248	930	0	930
06-08	30.6	9.288	930	311	249	930	0	930
09-11	31.3	8.980	930	292	267	930	0	930
12-14	32.6	8.284	930	220	302	930	0	930
15-17	32.5	8.104	930	226	297	930	0	930
18-20	31.7	8.367	930	263	281	930	0	930
21-23	31.2	9.006	930	288	274	930	0	930
ALL HOURS	31.5	8.856	7440	2191	2181	7440	0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	38.6	12.290	10940	2119	6388	10396	6	10940
03-05	37.7	12.174	10941	2292	6172	10565	6	10941
06-08	38.2	12.608	10934	2217	6324	10434	2	10934
09-11	40.1	12.647	10941	1840	6865	10029	24	10941
12-14	40.6	12.087	10945	1644	7032	10045	33	10945
15-17	40.6	11.997	10945	1641	7014	10101	34	10945
18-20	40.4	12.323	10946	1750	6871	10011	43	10946
21-23	39.7	12.439	10943	1922	6687	10130	19	10943
ALL HOURS	39.5	12.370	87535	15425	53353	81711	167	87535

OPERATING LOCATION "A"  
USAF/ETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	100.0	99.7	94.4	84.6	57.1	18.5	80.0	926
03-05	100.0	100.0	100.0	100.0	99.6	94.6	84.7	56.5	17.4	80.0	927
06-08	100.0	100.0	100.0	99.9	99.7	95.4	84.3	55.5	18.2	80.0	925
09-11	100.0	100.0	100.0	99.9	99.5	94.1	83.1	52.9	15.7	79.1	925
12-14	100.0	100.0	100.0	99.8	97.9	91.1	71.5	39.7	11.9	75.6	926
15-17	100.0	100.0	100.0	99.5	97.5	87.9	68.4	39.7	9.4	74.6	927
18-20	100.0	100.0	100.0	100.0	98.7	94.4	80.9	47.6	12.7	78.0	927
21-23	100.0	100.0	100.0	100.0	99.5	95.0	82.5	50.7	15.9	79.0	927
ALL HOURS	100.0	100.0	100.0	99.9	99.0	93.4	80.0	50.0	14.9	78.3	7410

MONTH: FEB

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	99.5	97.3	89.8	76.6	48.5	15.5	77.2	849
03-05	100.0	100.0	100.0	99.9	97.4	90.0	78.7	48.6	16.1	77.7	849
06-08	100.0	100.0	100.0	100.0	97.3	89.8	77.0	46.4	15.9	77.2	849
09-11	100.0	100.0	100.0	99.5	93.6	83.8	69.3	38.4	13.1	74.3	848
12-14	100.0	100.0	98.8	93.5	83.4	66.5	46.1	24.5	7.5	66.4	849
15-17	100.0	100.0	97.6	91.0	81.0	59.4	40.8	23.6	8.0	64.6	849
18-20	100.0	100.0	99.8	97.3	90.3	79.6	58.7	33.0	9.3	71.2	849
21-23	100.0	100.0	100.0	98.6	95.2	86.1	73.0	42.6	14.1	75.6	849
ALL HOURS	100.0	100.0	99.5	97.4	91.9	80.6	65.0	38.2	12.5	73.0	6791

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.8	98.3	89.2	72.3	50.9	11.5	76.4	930
03-05	100.0	100.0	100.0	100.0	98.4	90.9	73.3	53.1	14.2	77.5	930
06-08	100.0	100.0	100.0	100.0	99.5	90.6	74.6	53.2	12.4	77.5	930
09-11	100.0	100.0	100.0	98.6	92.7	80.1	62.2	39.5	8.5	72.4	930
12-14	100.0	100.0	98.7	91.8	77.5	62.8	42.3	22.2	3.1	63.8	930
15-17	100.0	100.0	97.5	87.2	72.5	53.8	37.3	19.0	3.4	61.4	930
18-20	100.0	100.0	99.2	94.7	84.6	70.8	52.6	29.2	6.0	67.7	930
21-23	100.0	100.0	100.0	99.8	95.2	85.2	66.3	43.1	9.0	74.1	930
ALL HOURS	100.0	100.0	99.4	96.5	89.8	77.9	60.1	38.8	8.5	71.3	7440

MONTH: APR

00-02	100.0	100.0	100.0	99.8	98.2	93.9	76.7	46.1	10.9	77.0	900
03-05	100.0	100.0	100.0	100.0	99.6	97.3	84.0	55.7	14.2	79.5	900
06-08	100.0	100.0	100.0	100.0	99.2	94.1	78.4	50.8	13.2	77.9	900
09-11	100.0	100.0	98.7	92.2	81.8	61.9	42.9	20.8	3.9	64.6	900
12-14	100.0	99.8	95.6	77.2	59.0	38.1	21.9	11.3	2.0	54.9	900
15-17	100.0	99.8	90.7	71.6	51.9	33.3	20.9	10.2	1.1	52.4	900
18-20	100.0	99.9	96.6	83.6	67.3	48.9	32.6	15.9	1.8	59.0	900
21-23	100.0	100.0	99.9	98.3	93.8	82.7	57.8	32.0	7.2	71.6	900
ALL HOURS	100.0	99.9	97.7	90.3	81.3	68.8	51.9	30.3	6.8	67.1	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	99.9	99.7	98.9	96.1	89.5	68.1	16.6	81.3	930
03-05	100.0	100.0	100.0	99.8	99.6	97.7	93.3	74.1	17.4	82.8	930
06-08	100.0	100.0	100.0	100.0	99.0	95.9	86.5	60.0	14.1	79.9	930
09-11	100.0	100.0	99.8	97.1	87.1	66.7	45.2	21.4	3.5	66.7	930
12-14	100.0	100.0	98.5	87.8	63.4	40.5	26.0	14.0	2.4	57.9	930
15-17	100.0	100.0	96.5	82.2	57.0	38.1	23.5	13.7	2.2	56.0	930
18-20	100.0	100.0	98.6	89.1	72.5	51.3	35.7	20.8	2.4	61.6	930
21-23	100.0	100.0	100.0	99.4	97.2	91.1	76.3	48.0	8.3	76.4	930
ALL HOURS	100.0	100.0	99.2	94.4	84.3	72.2	59.5	40.0	8.3	70.3	7440

MONTH: JUN

00-02	100.0	100.0	100.0	100.0	99.9	99.0	95.8	78.4	14.5	83.8	901
03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.7	85.9	19.8	85.3	900
06-08	100.0	100.0	100.0	100.0	100.0	98.4	88.8	57.7	9.9	80.3	899
09-11	100.0	100.0	100.0	99.1	92.8	69.9	38.6	14.1	1.0	66.3	900
12-14	100.0	100.0	99.9	93.4	72.2	38.0	17.4	7.0	.7	57.6	900
15-17	100.0	100.0	99.1	90.8	61.6	34.3	16.8	7.8	1.2	56.2	899
18-20	100.0	100.0	100.0	95.2	78.7	51.1	28.7	13.4	2.1	61.8	900
21-23	100.0	100.0	100.0	100.0	99.4	94.1	77.7	45.4	6.0	77.3	900
ALL HOURS	100.0	100.0	99.9	97.3	88.1	73.1	57.5	38.7	6.9	71.1	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	99.9	95.4	85.7	53.1	14.4	79.7	930
03-05	100.0	100.0	100.0	100.0	99.7	97.3	91.8	68.0	18.8	82.4	930
06-08	100.0	100.0	100.0	100.0	99.6	94.6	79.9	41.8	10.4	77.6	929
09-11	100.0	100.0	100.0	97.2	84.8	55.4	25.6	10.1	1.8	62.3	930
12-14	100.0	100.0	97.5	84.7	52.8	28.9	13.1	5.4	1.7	53.1	930
15-17	100.0	100.0	96.1	76.1	46.6	25.9	12.5	5.3	1.1	50.9	930
18-20	100.0	100.0	99.1	89.0	62.6	37.2	19.7	8.0	1.6	56.4	930
21-23	100.0	100.0	100.0	99.9	98.0	84.7	61.6	27.4	4.9	72.7	930
ALL HOURS	100.0	100.0	99.1	93.4	80.5	64.9	48.7	27.4	6.9	66.9	7439

MONTH: AUG

00-02	100.0	100.0	100.0	100.0	100.0	96.3	90.8	60.5	19.0	81.5	930
03-05	100.0	100.0	100.0	100.0	99.8	97.1	92.9	69.8	22.6	83.2	930
06-08	100.0	100.0	100.0	100.0	99.5	97.2	89.4	59.7	16.2	81.3	927
09-11	100.0	100.0	100.0	99.5	92.9	71.1	40.2	15.6	3.7	67.1	928
12-14	100.0	100.0	100.0	91.0	61.2	33.8	15.8	5.5	1.0	55.6	930
15-17	100.0	100.0	99.6	84.3	56.1	27.7	13.5	4.6	.5	53.1	929
18-20	100.0	100.0	100.0	94.2	77.5	56.2	31.0	13.1	1.4	62.2	930
21-23	100.0	100.0	100.0	100.0	99.0	92.4	76.7	39.5	9.9	76.7	930
ALL HOURS	100.0	100.0	99.9	96.1	85.7	71.5	56.3	33.5	9.3	70.1	7434

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	99.1	93.9	74.8	29.7	84.5	900
03-05	100.0	100.0	100.0	100.0	100.0	99.8	94.4	75.8	34.2	85.4	900
06-08	100.0	100.0	100.0	100.0	100.0	99.9	94.2	74.3	29.9	84.8	900
09-11	100.0	100.0	100.0	99.9	98.2	86.1	62.1	34.4	7.6	73.8	900
12-14	100.0	100.0	99.4	94.8	77.6	49.3	24.8	11.2	1.4	60.6	900
15-17	100.0	100.0	99.1	90.9	68.1	42.9	21.8	9.6	1.4	58.1	900
18-20	100.0	100.0	99.9	98.4	93.2	78.6	56.0	28.6	5.6	71.1	899
21-23	100.0	100.0	100.0	100.0	99.7	97.0	89.8	64.4	18.4	81.7	900
ALL HOURS	100.0	100.0	99.8	98.0	92.1	81.6	67.1	46.6	16.0	75.0	7199

MONTH: OCT

00-02	100.0	100.0	100.0	100.0	99.6	98.6	94.8	80.7	28.7	85.0	917
03-05	100.0	100.0	100.0	10.0	100.0	99.6	96.6	82.8	30.7	85.7	918
06-08	100.0	100.0	100.0	100.0	100.0	99.9	97.5	81.6	26.7	85.4	918
09-11	100.0	100.0	100.0	99.9	99.1	96.9	87.4	62.0	16.7	80.8	921
12-14	100.0	100.0	100.0	99.0	95.0	77.3	54.6	31.9	6.7	71.0	921
15-17	100.0	100.0	99.8	98.8	92.5	73.2	50.9	27.6	4.8	69.4	921
18-20	100.0	100.0	100.0	99.9	99.2	96.9	85.0	59.3	13.6	80.1	921
21-23	100.0	100.0	100.0	100.0	99.5	99.1	94.2	78.0	23.6	84.2	920
ALL HOURS	100.0	100.0	100.0	99.7	98.1	92.7	82.6	63.0	18.9	80.2	7357

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	98.9	93.1	72.0	25.1	83.5	897
03-05	100.0	100.0	100.0	100.0	100.0	99.6	94.5	71.6	29.0	84.1	897
06-08	100.0	100.0	100.0	100.0	100.0	99.4	94.1	72.0	29.0	84.0	897
09-11	100.0	100.0	100.0	100.0	100.0	98.3	90.9	63.0	20.2	81.8	899
12-14	100.0	100.0	100.0	99.4	98.1	90.9	74.4	42.4	9.7	75.9	899
15-17	100.0	100.0	100.0	99.2	97.1	89.3	73.8	42.4	9.6	75.5	900
18-20	100.0	100.0	100.0	100.0	99.6	96.3	89.0	63.9	18.9	81.2	900
21-23	100.0	100.0	100.0	100.0	100.0	97.8	90.5	68.2	24.7	82.5	897
ALL HOURS	100.0	100.0	100.0	99.8	99.3	96.3	87.5	61.9	20.8	81.1	7186

MONTH: DEC

00-02	100.0	100.0	100.0	100.0	100.0	97.1	88.9	68.8	34.1	83.5	930
03-05	100.0	100.0	100.0	100.0	100.0	98.2	90.0	71.2	35.5	83.9	930
06-08	100.0	100.0	100.0	100.0	100.0	97.8	90.5	71.7	32.6	83.8	930
09-11	100.0	100.0	100.0	100.0	100.0	96.6	88.2	68.2	28.9	82.7	930
12-14	100.0	100.0	100.0	99.8	98.1	92.4	78.9	56.9	19.8	79.0	930
15-17	100.0	100.0	100.0	99.8	98.3	92.2	79.7	55.9	19.9	78.8	930
18-20	100.0	100.0	100.0	100.0	99.7	95.8	85.6	63.8	29.1	81.8	930
21-23	100.0	100.0	100.0	99.9	99.9	96.3	86.2	66.2	33.8	83.0	930
ALL HOURS	100.0	100.0	100.0	99.9	99.5	95.8	86.0	65.3	29.2	82.1	7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.9	99.3	95.7	86.9	63.3	19.9	81.1	10940
03-05	100.0	100.0	100.0	100.0	99.5	96.9	89.3	67.8	22.5	82.3	10941
06-08	100.0	100.0	100.0	100.0	99.5	96.1	86.3	60.4	19.0	80.8	10934
09-11	100.0	100.0	99.9	98.6	93.5	80.0	61.2	36.7	10.4	72.6	10941
12-14	100.0	100.0	99.0	92.7	78.0	59.1	40.6	22.7	5.7	64.3	10945
15-17	100.0	100.0	98.0	89.3	73.3	54.8	38.3	21.6	5.2	62.6	10945
18-20	100.0	100.0	99.4	95.1	85.3	71.4	54.6	33.0	8.7	69.3	10946
21-23	100.0	100.0	100.0	99.7	98.0	91.8	77.7	50.5	14.7	77.9	10943
ALL HOURS	100.0	100.0	99.5	96.9	90.8	80.7	66.9	44.5	13.3	73.9	87535

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFF
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	FFFFFF
PP	AAAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.01	30.04	29.94	29.98	29.95	30.02	30.06	30.04	30.09	30.05	30.08	30.00	30.02
	SD	.340	.322	.291	.219	.198	.160	.143	.136	.186	.283	.297	.382	.263
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	30.00	30.03	29.93	29.97	29.94	30.02	30.05	30.04	30.08	30.05	30.07	29.99	30.01
	SD	.335	.324	.291	.221	.201	.160	.144	.139	.189	.285	.299	.385	.264
	TOT OBS	310	283	310	300	310	300	310	310	299	310	300	310	3652
0700	MEAN	30.00	30.03	29.93	29.98	29.95	30.03	30.06	30.05	30.09	30.05	30.07	29.99	30.02
	SD	.335	.327	.294	.225	.204	.161	.146	.140	.191	.286	.297	.385	.265
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1000	MEAN	30.02	30.05	29.94	29.99	29.96	30.03	30.06	30.06	30.10	30.07	30.09	30.01	30.03
	SD	.339	.328	.297	.224	.204	.162	.145	.140	.191	.287	.297	.385	.266
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1300	MEAN	30.00	30.04	29.94	29.97	29.94	30.02	30.05	30.04	30.09	30.06	30.08	29.99	30.02
	SD	.341	.323	.294	.219	.200	.158	.143	.136	.187	.283	.296	.382	.264
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1600	MEAN	29.99	30.02	29.91	29.95	29.93	30.01	30.04	30.03	30.07	30.04	30.06	29.98	30.00
	SD	.343	.316	.289	.216	.197	.156	.142	.133	.183	.280	.293	.379	.261
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1900	MEAN	30.00	30.04	29.92	29.95	29.93	30.00	30.03	30.02	30.07	30.05	30.08	29.99	30.01
	SD	.347	.314	.290	.215	.194	.154	.144	.132	.185	.279	.295	.378	.261
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
2200	MEAN	30.01	30.05	29.94	29.98	29.95	30.02	30.05	30.05	30.09	30.06	30.08	30.00	30.02
	SD	.347	.315	.289	.217	.194	.154	.142	.132	.187	.283	.300	.380	.262
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	309	3652
ALL HOURS	MEAN	30.00	30.04	29.93	29.97	29.94	30.02	30.05	30.04	30.08	30.05	30.08	29.99	30.02
	SD	.341	.321	.292	.220	.199	.159	.144	.136	.188	.283	.297	.382	.263
	TOT OBS	2480	2263	2480	2400	2480	2400	2480	2480	2399	2480	2400	2479	29221

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.17	29.20	29.10	29.14	29.11	29.18	29.22	29.20	29.24	29.21	29.24	29.16	29.18
	SD	.333	.315	.284	.214	.194	.156	.139	.133	.182	.277	.291	.373	.257
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	29.16	29.19	29.09	29.13	29.10	29.17	29.21	29.20	29.24	29.21	29.23	29.15	29.17
	SD	.327	.317	.285	.216	.197	.156	.141	.136	.184	.277	.293	.376	.258
	TOT OBS	310	283	310	300	310	300	310	310	299	310	300	310	3652
0700	MEAN	29.16	29.19	29.09	29.14	29.11	29.19	29.22	29.20	29.24	29.21	29.23	29.15	29.18
	SD	.327	.318	.288	.220	.199	.157	.143	.137	.186	.280	.291	.377	.259
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1000	MEAN	29.17	29.20	29.11	29.15	29.12	29.19	29.22	29.21	29.26	29.23	29.25	29.17	29.19
	SD	.331	.321	.292	.218	.200	.158	.141	.137	.187	.282	.291	.377	.261
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1300	MEAN	29.16	29.20	29.10	29.13	29.10	29.18	29.21	29.20	29.24	29.21	29.24	29.15	29.18
	SD	.334	.316	.288	.214	.196	.154	.140	.133	.182	.277	.289	.374	.258
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1600	MEAN	29.15	29.18	29.07	29.11	29.09	29.17	29.20	29.19	29.22	29.19	29.22	29.14	29.16
	SD	.335	.309	.283	.211	.193	.153	.139	.131	.179	.273	.287	.370	.255
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1900	MEAN	29.16	29.20	29.08	29.11	29.09	29.16	29.19	29.18	29.23	29.21	29.23	29.15	29.17
	SD	.340	.306	.284	.210	.189	.151	.141	.130	.180	.273	.289	.370	.256
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
2200	MEAN	29.17	29.21	29.10	29.14	29.11	29.18	29.21	29.20	29.25	29.22	29.24	29.15	29.18
	SD	.339	.308	.281	.212	.190	.151	.139	.129	.182	.276	.293	.371	.256
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	309	3652
ALL HOURS	MEAN	29.16	29.20	29.09	29.13	29.10	29.18	29.21	29.20	29.24	29.21	29.23	29.15	29.18
	SD	.333	.314	.286	.215	.195	.155	.141	.134	.183	.277	.290	.374	.258
	TOT OBS	2480	2263	2480	2400	2480	2400	2480	2480	2399	2480	2400	2479	29221

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3	.1	.1	929				930	.3			930	1.0			930
CATEGORY B	1.7	.4	.1	929	2.5	.2		930	2.6	.4		930	3.9	.5		930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.2		930	.5	.1		930	.4			930	.4	.2		930
CATEGORY B	3.2	.9		930	3.0	.8	.2	930	2.8	.9	.1	930	2.2	.8	.3	930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6	.1		4650	.4	.1	.0	7439
CATEGORY B	3.1	.7	.1	4650	2.7	.6	.1	7439



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.1		849	.7	.2	.1	849	.7	.1		849	.5			849
CATEGORY B	1.8	.8	.2	849	2.8	.7	.2	849	1.8	.4		849	1.4	.7	.1	849

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.1		849	.8	.1		849	.7	.2	.1	849	.5	.1		849
CATEGORY B	1.9	.4		849	1.6	.6		849	2.0	.7	.1	849	1.1	.1		849

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.1	.0	4245	.6	.1	.0	6792
CATEGORY B	1.7	.5	.0	4245	1.8	.5	.1	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930	.3	.1		930	.5	.2		930
CATEGORY B	.9			930	1.1	.2		930	1.9	.3		930	2.8	.5		930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.0	.1		930	.9	.2		930	.9	.1		930	.8	.1		930
CATEGORY B	3.9	1.1	.4	930	2.3	.8	.3	930	2.0	.5	.3	930	2.2	.9	.3	930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.2		4650	.5	.1		7440
CATEGORY B	2.6	.6	.2	4650	2.1	.5	.2	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TOUTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			900	.2	.2		900	.2			900				900
CATEGORY B	.4	.1		900	.4	.3	.1	900	.2			900	.8	.1		900

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1	.1		900	.1			900	.1			900	.1			900
CATEGORY B	.9	.1		900	1.0	.1		900	.6	.1		900	.2	.2		900

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1	.0		4500	.1	.0		7200
CATEGORY B	.7	.1		4500	.6	.1	.0	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930				930	.2			930
CATEGORY B	.4	.1		930				930	.1			930	.5	.2		930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4			930	.3			930				930				930
CATEGORY B	1.1	.3		930	.9	.2	.1	930	.2			930	.2			930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			4650	.1			7440
CATEGORY B	.6	.2	.0	4650	.4	.1	.0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900				900				900	.3			900
CATEGORY B	.1			900	.2	.1		900	.2			900	.7			900

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			900	.1			900				900				899
CATEGORY B	1.0			900	.3	.1		900	.3			900	.1	.1	.1	899

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			4500	.1			7199
CATEGORY B	.5	.0		4500	.4	.0	.0	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.1			930				930	.1			930	.5			930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930	.1			930	.1			930	.1			930
CATEGORY B	1.4			930	.5			930	.6	.1		930	.6	.1		930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.0			4650	.0			7440
CATEGORY B	.6	.0		4650	.5	.0		7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930				930	.4			930
CATEGORY B				930				930				930	.9			930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			930				930				930				930
CATEGORY B	.5	.1		930				930	.1			930	.1			930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			4650	.1			7440
CATEGORY B	.3	.0		4650	.2	.0		7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 85  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900				900				900				900
CATEGORY B				900	.4			900				900	.1			900

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900				900				900				900
CATEGORY B	.2			900	.4			900	.4			900	.4	.1		900

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				4500				7200
CATEGORY B	.2			4500	.3	.0		7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930	.1			930	.6	.1		930	.6	.1		930
CATEGORY B	1.1	.2		930	1.3	.4	.2	930	1.6	.3		930	1.8	.2		930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.0	.3	.1	930	.2			930				930				930
CATEGORY B	2.3	.3	.1	930	1.0	.1		930	.4			930	.5			930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.1	.0	4650	.3	.1	.0	7440
CATEGORY B	1.4	.2	.0	4650	1.3	.2	.0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.2		900	.3			900	.4	.1		900	.6	.1		900
CATEGORY B	2.6	.9	.2	900	1.6	.4	.1	900	1.6	.4	.1	900	1.8	.6		900

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			900	.2			900	.3			900	.7			900
CATEGORY B	1.4	.1		900	1.2	.4	.1	900	1.1	.4	.2	900	2.4	.8	.1	900

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.0		4500	.4	.1		7200
CATEGORY B	1.4	.4	.1	4500	1.7	.5	.1	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.9	.3		930	1.2	.5		930	1.6	.6	.1	930	1.1	.2		930
CATEGORY B	2.7	1.0	.4	930	2.4	1.3	.1	930	3.9	1.3	.6	930	2.8	.8	.5	930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.3	.4	.1	930	.9	.2	.1	930	1.2	.3	.2	930	1.4	.3		930
CATEGORY B	3.9	1.2	.5	930	2.5	1.2	.3	930	2.3	.8	.5	930	2.2	.6	.3	930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.2	.4	.1	4650	1.2	.4	.1	7440
CATEGORY B	3.1	1.0	.5	4650	2.8	1.0	.4	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 087-267

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.1	.0	10958	.2	.1	.0	10959	.4	.1	.0	10959	.4	.1		10959
CATEGORY B	1.0	.3	.1	10958	1.0	.3	.1	10959	1.2	.3	.1	10959	1.5	.3	.1	10959

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.1	.0	10959	.3	.1	.0	10959	.3	.1	.0	10959	.3	.1		10958
CATEGORY B	1.8	.4	.1	10959	1.2	.4	.1	10959	1.1	.3	.1	10959	1.0	.3	.1	10958

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.1	.0	54795	.3	.1	.0	87670
CATEGORY B	1.4	.3	.1	54795	1.2	.3	.1	87670

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	HH	HH
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHH	HHHHHHHHH
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	HHHHHHHHH	HHHHHHHHH
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 52 - MAY 88

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952			733	409	327	****	75	72	388	592	829	993	4418
1953	1047	885	695	470	293	149	67	112	222	413	704	822	5879
1954	1153	970	683	621	367	146	161	135	234	449	705	799	6423
1955	1067	960	900	559	404	162	70	82	219	560	766	851	6600
1956	940	1457	768	626	303	250	93	216	204	515	833	861	7066
1957	1036	643	582	542	466	118	73	157	275	472	689	965	6018
1958	986	705	966	667	251	184	73	68	169	506	704	844	6123
1959	966	856	629	464	292	130	24	90	225	531	776	826	5809
1960	991	823	654	538	301	133	166	124	312	486	616	942	6086
1961	970	639	661	371	402	149	180	132	96	416	784	982	5782
1962	849	867	967	518	453	240	****	114	313	528	839	1160	6848
1963	1362	1209	813	498	378	151	88	154	242	589	569	1196	7249
1964	1118	795	876	497	204	87	69	154	222	568	643	943	6176
1965	886	969	789	595	368	173	155	176	306	582	816	802	6517
1966	1118	598	805	466	318	132	156	161	218	336	849	860	6017
1967	918	742	653	615	310	194	25	94	198	304	721	943	5717
1968	972	791	678	447	351	146	****	****	****	394	746	1073	5598
1969	942	1020	832	575	287	217	****	35	227	450	698	1162	6445
1970	1032	880	868	623	330	82	131	79	216	479	630	996	6346
1973	970	814	706	608	236	120	96	38	214	558	807	1002	6169
1974	788	744	622	471	329	168	129	84	246	717	711	711	5720
1975	744	771	789	544	333	167	34	16	87	566	730	958	5739
1976	854	833	852	562	248	75	27	36	248	489	678	1033	5935
1977	915	696	626	649	301	91	68	52	252	434	652	844	5580
1978	887	918	643	565	343	157	98	134	240	446	730	890	6051
1979	1222	849	700	609	332	87	103	134	215	435	771	750	6267

1980		1035	735	718	612	427	219	184	99	184	542	797	1044	6591
1981		1063	933	595	570	362	219	139	117	205	524	689	1045	6461
1982		1121	889	777	651	359	134	64	112	125	468	593	817	6110
1983		768	886	688	482	383	105	21	36	186	477	794	932	5758
1984		888	877	825	602	395	185	84	87	271	438	702	908	6262
1985		1238	1044	759	509	275	254	77	139	216	496	875	732	6614

1986		881	1162	757	591	202	137	81	96	326	388	642	833	6096
1987		1211	884	910	469	429	182	66	89	139	445	681	840	6345
1988		701	797	759	552	****								2809

MEAN		989	871	750	547	334	155	92	103	225	488	728	922	
SD		149.04	170.03	103.56	73.08	65.66	48.59	47.12	46.06	63.00	80.89	77.72	121.87	

\*\*\*\*SPL 30YR SUMMATION (1951 -1980)\*\*\*\*

MEAN		991	852	748	545	331	151	97	105	229	494	733	935	
SD		133.42	181.17	108.23	76.82	63.45	47.49	49.67	49.46	61.56	87.37	74.08	125.30	



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106140

STATION NAME: RAMSTEIN AB GERMANY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 5 - MAY 88

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952						****	121	53					174
1953					44	17	33	41	5				140
1954						26	3	31	16				76
1955						16	58	19	2				95
1956					15	1	33	5	1				55
1957						57	101	6	1				165
1958					2	1	35	57	5				100
1959						24	111	37	1				173
1960					3	34	8	28					73
1961						11	24	28	28				91
1962						24	****	44	7				75
1963						8	34	21	2				65
1964					7	53	106	35	13				214
1965						10	12	12					34
1966					1	25	8	30	5	4			73
1967					3	33	96	38	6				176
1968				1	6	20	****	****	****	1			28
1969					13		****						13
1970						44	15	43	3				105
1973					6	27	34	61	24				152
1974						5	22	68	7				102
1975						34	80	122	19				255
1976					7	131	233	35					406
1977						33	58	29	8	1			129
1978						22	51	20	3				96
1979					19	32	33	10	4				98

1980				6	20	29	1		56
1981			3	10	15	56	6		90
1982				30	75	16	8		129
1983				31	190	93	5	1	320
1984				10	79	15	5		109
1985			2	10	33	20	9	6	80
1986				6	92	55	62	3	218
1987					19	54	41	54	168

MEAN			0	4	27	59	36	7	0
SD			.17	8.49	26.39	52.79	25.51	10.77	1.23

\*\*\*\*SPL 30YR SUMMATION (1951 -1980)\*\*\*\*

MEAN			0	4	26	55	34	6	0
SD			.19	9.40	26.16	52.26	24.77	7.66	.80

A W S CLIMATIC BRIEF  JUN 90	STATION NAME: RAMSTEIN AB GERMANY	FIELD ELEV: 782 FT
	LATITUDE/LONGITUDE: 49 26 N 007 36 E	STATION MSC: 106140
	HOURLY OBS POR: JUN 78 - MAY 88	CALL SIGN: EDAR
	SUMMARY OF DAY POR: MAR 52-MAY 88	SUPERSEDES: APR 85
	HOURS SUMMARIZED: 0000 - 2300 LST	
	LST TO UTC: -01	

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	57	67	76	85	89	98	100	97	88	81	68	66	100	36
MEAN MAX TEMP (F)	37	40	49	57	65	70	74	73	67	57	46	39	56	36
MEAN TEMP (F)	33	34	40	47	54	60	64	62	57	49	40	35	48	36
MEAN MIN TEMP (F)	28	27	32	36	43	50	53	52	47	40	35	30	39	36
EXTRM MIN TEMP (F)	-8	-9	3	18	24	31	37	34	28	17	10	0	9	36
D/W TEMP GE 80 (F)	0	0	0	1	1	4	8	6	2	#	0	0	22	36
D/W TEMP GE 70 (F)	0	0	1	3	9	15	20	19	12	2	0	0	81	36
D/W TEMP LT 33 (F)	20	19	17	10	2	#	0	0	1	5	12	18	104	36
D/W TEMP LT 20 (F)	7	6	2	#	0	0	0	0	0	#	1	5	21	36
HEATING DEGREE DAYS	989	871	750	547	334	155	92	103	225	488	728	922	6204	37
COOLING DEGREE DAYS	0	0	0	#	4	27	59	36	7	#	0	0	133	37
MEAN DEWPOINT TEMP (F)	26	25	32	35	44	50	52	52	49	43	35	32	40	10
MEAN WET BULB TEMP (F)	30	30	37	41	49	54	57	56	53	46	38	34	44	10
99.95% WCPA (FT)	1750	1650	1650	1400	1350	1150	1100	1100	1200	1500	1550	1850	1500	10
MEAN REL HUM 07 LST(%)	80.0	77.2	77.5	77.9	79.9	80.3	77.6	81.3	84.8	85.4	84.0	83.8	80.8	10
MEAN REL HUM 13 LST(%)	75.6	66.4	63.8	54.9	57.9	57.6	53.1	55.6	60.6	71.0	75.9	79.0	64.3	10
MAX 24HR PRECIP (IN)	1.36	1.44	1.76	1.70	1.63	1.60	1.61	1.67	2.13	1.56	1.43	1.71	2.13	36
MAX PRECIP (IN)	5.10	4.80	5.56	5.34	6.77	5.87	6.03	7.83	5.26	5.85	5.28	6.24	13.41	36
MEAN PRECIP (IN)	2.20	1.92	2.00	1.75	2.40	2.65	2.33	2.56	2.02	2.93	2.13	2.46	16.11	36
MIN PRECIP (IN)	.25	.04	.20	.33	.33	.37	.68	.38	#	.20	.41	.23	16.07	36
D/W PRECIP GE .01 (IN)	16	13	14	12	13	13	12	12	11	12	14	15	157	36
D/W PRECIP GT .50 (IN)	1	1	1	1	1	1	1	1	1	1	1	1	12	36
MAX 24HR SNFL (IN)	7.2	5.1	7.6	6.0	#	0	0	0	0	#	5.4	6.7	7.6	36
MAX SNFL (IN)	15.7	13.2	13.8	6.0	#	0	0	0	0	#	12.2	21.8	38.1	36
MEAN SNFL (IN)	5.1	4.1	2.6	.5	#	0	0	0	0	#	1.9	3.5	17.4	36
D/W SNFL GE .1 (IN)	6	5	2	1	0	0	0	0	0	0	2	4	21	36
D/W SNFL GE 1.5 (IN)	1	1	1	#	0	0	0	0	0	0	1	1	1	36
MAX DLY SNO DEPTH (IN)	8	8	7	6	0	0	0	0	0	0	6	9	9	36
PRVING WND DIR (DEG)	23-25	105-07	123-25	123-25	123-25	123-25	123-25	126-28	123-25	123-25	123-25	123-25	123-25	10
MEAN WND SPD (KTS)	6	4	5	4	3	4	4	3	3	4	4	4	4	10
MAX WND SPD (KTS)	53	54	50	54	47	46	44	48	42	41	57	52	57	10
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W THUNDERSTORMS	1	1	1	1	4	5	5	4	2	1	1	1	17	36
D/W FOG (VSBY LT 7 MI)	21	19	19	18	21	19	19	22	24	17	22	22	13	36

LEGEND: ANN = ANNUAL

D/W = MEAN NUMBER OF DAYS WITH

& = BASED ON LESS THAN FULL MONTHS

\*\* = INSTANTANEOUS PEAK WINDS

\* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

# = LESS THAN 0.5 DAYS OR TRAVE AS APPLICABLE

‡ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO WIND DIRECTION

CR-1

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	58.2	45.1	34.0	15.3	16.0	13.9	11.1	15.5	22.6	44.3	56.6	59.7	32.1	10
	03 - 05	61.7	48.6	41.7	22.1	25.2	23.1	19.4	26.9	35.9	51.3	63.2	61.3	40.0	10
	06 - 08	62.7	54.5	55.3	32.0	31.6	27.9	20.0	35.8	44.2	61.7	64.6	62.5	46.0	10
	09 - 11	61.6	56.9	51.0	25.3	21.7	17.9	13.7	19.6	25.9	55.8	61.1	62.7	39.4	10
	12 - 14	57.8	42.8	36.6	18.3	14.6	12.8	8.4	9.0	12.7	33.9	47.1	56.9	29.2	10
	15 - 17	53.0	34.5	28.8	14.3	12.6	7.8	7.2	6.0	8.2	21.1	38.3	50.6	23.0	10
	18 - 20	54.9	37.8	24.7	12.1	8.8	6.0	5.2	5.9	6.7	22.5	41.4	53.7	23.0	10
	21 - 23	57.8	41.6	28.9	14.0	9.5	8.3	7.4	7.8	12.2	33.0	50.0	54.0	27.0	10
	ALL	58.5	45.2	37.6	19.2	17.5	14.7	11.5	15.8	21.0	40.4	52.8	57.7	32.1	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	40.3	32.5	22.2	10.8	11.5	9.4	7.8	12.3	17.8	36.4	41.4	36.7	23.1	10
	03 - 05	44.8	36.4	27.6	15.1	18.9	17.0	14.9	21.8	28.4	42.2	48.4	39.4	29.0	10
	06 - 08	43.9	38.3	37.7	22.2	21.4	17.8	14.5	29.6	36.2	47.2	50.0	41.1	33.0	10
	09 - 11	43.7	40.8	29.5	12.8	8.8	6.7	5.1	11.4	16.7	39.8	46.0	41.4	25.0	10
	12 - 14	35.1	30.0	16.6	6.1	6.5	3.7	3.0	2.3	3.8	18.1	32.7	33.4	15.0	10
	15 - 17	33.0	21.2	9.0	4.2	4.0	1.0	1.9	1.6	3.1	11.4	24.4	29.2	12.0	10
	18 - 20	34.9	23.8	11.8	5.0	3.5	1.6	2.0	2.2	3.8	15.1	27.7	33.0	13.0	10
	21 - 23	38.0	29.1	15.7	8.9	5.5	4.2	4.2	5.1	9.4	24.6	34.0	35.8	17.0	10
	ALL	39.2	31.5	21.3	10.6	10.0	7.7	6.7	10.8	14.9	29.3	38.1	36.2	21.0	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	26.0	22.3	10.6	7.3	7.4	5.4	3.8	9.0	10.3	29.7	30.5	27.3	15.0	10
	03 - 05	29.8	23.8	14.9	9.1	13.4	10.6	8.0	16.3	22.4	36.8	35.0	27.5	20.0	10
	06 - 08	30.0	23.9	23.4	14.0	12.4	11.1	8.1	18.2	26.7	38.0	37.7	27.7	22.0	10
	09 - 11	29.5	26.1	17.8	5.8	3.1	2.2	1.3	4.1	10.4	27.3	33.9	25.1	15.0	10
	12 - 14	23.8	16.8	7.4	3.0	1.5	.2	.5	.4	1.6	8.9	20.6	18.7	8.0	10
	15 - 17	20.9	11.5	3.0	1.8	1.5	.4	.6	.5	1.6	4.5	15.3	16.0	6.0	10
	18 - 20	22.6	14.1	3.0	2.1	2.4	.2	.3	1.1	2.1	6.9	19.1	21.3	7.0	10
	21 - 23	26.3	18.8	6.6	5.1	2.6	1.6	1.8	2.6	5.3	15.5	26.0	23.8	11.0	10
	ALL	26.1	19.7	10.9	6.0	5.5	4.0	3.1	6.5	10.1	20.9	27.3	23.4	13.0	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	2.8	1.8	1.1	1.4	1.5	1.2	.8	4.5	3.6	11.4	10.0	5.9	3.0	10
	03 - 05	3.7	2.2	2.2	2.3	4.3	4.2	2.4	6.9	9.4	16.6	12.9	5.4	6.0	10
	06 - 08	3.7	2.4	4.0	3.3	4.3	2.6	2.0	7.1	14.9	18.4	13.3	4.9	6.0	10
	09 - 11	4.0	1.6	1.5	.2	.1	.0	.1	.3	2.3	8.4	8.6	3.4	2.0	10
	12 - 14	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.0	1.1	.0	10
	15 - 17	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.1	.4	.0	10
	18 - 20	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.5	3.1	1.7	.0	10
	21 - 23	2.0	1.1	.1	1.0	.1	.4	.1	1.0	.7	4.5	6.2	3.7	1.0	10
	ALL	2.6	1.2	1.1	1.0	1.3	1.1	.7	2.5	3.9	7.5	7.2	3.3	2.0	10
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : @															

CB-2

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